Environmental Protection Agency Internet Information

EPA Region 2

While Freedom of Information Act (FOIA) requests will be honored by directly writing to Region 2, EPA provides an increasing amount of environmental media information, and other Regional activities via Internet at http://www.epa.gov.

Region 2 has provided a FOIA Web site http://www.epa.gov/region02/foia/ with several online databases from which the environmental information can be retrieved.

- **"Frequently FOIAed Files"** Web site http://www.epa.gov/region02/foia/fff.htm covers RCRA and many other media Programs. Through this Web site, you can learn about each media Program, associated databases, and special points of interest. In particular, the ability to "directly download" all of the most commonly requested Region 2 Export Files (.xls) and Reports (.pdf) - all compressed for quicker downloading.

EPA Region 2 has established a **list of contaminated facilities** that are a high priority for cleanup in New York, New Jersey, Puerto Rico and the U.S. Virgin Islands. You can view each facility fact sheet at http://www.epa.gov/region02/cleanup/sites/

EPA- Headquarters

- **Envirofacts Data Warehouse** Web site http://www.epa.gov/enviro/index.html is a one-stop source to the environmental information. This Web site provides access to several EPA databases with information about environmental activities that may affect air, water and land anywhere in the United States.
- **"My Environment"** Web site http://www.epa.gov/myenvironment is a powerful tool that provides a wide range of federal, state and local information about environmental conditions and futures in an area of your choice.
- **The Enforcement and Compliance History Online (ECHO)** Web site http://www.epa.gov/echo/ provides a list of all inspections and enforcement under most of the environmental statutes.
- **Right-To-Know Network (RTK Net)**, a non-EPA Web site http://www.rtknet.org/ on-line query engine provides free access to numerous databases and resources on environment.
- **National Biennial RCRA Hazardous Waste Report** Web site http://www.epa.gov/epaoswer/hazwaste/data/biennialreport/index.htm provides documents and data on hazardous waste reports.
- **Conditionally Exempt Small Quantity Generators** Web site http://www.epa.gov/osw/hazard/generation/cesqg.htm provides information on Conditionally Exempt Small Quantity Generators.

RCRA PRIORITIZATION SYSTEM SCORING SUMMARY

FOR

EL BETH LTD.

EPA SITE NUMBER: NJD067484923

PERTH AMBOY, NJ

SCORED BY: ROB SAVILL

OF CDM FEDERAL

ORIGINAL RANKING: 10/30/93 LAST RANKING: 10/30/93

GROUNDWATER SCORE	:	46.61
SURFACE WATER SCORE	:	70.07
AIR ROUTE SCORE	:	20.00
ONSITE SCORE	:	6.86

MIGRATION SCORE	:	43.39

HIGH

EPA ID NO. : NJD067484923
EL BETH LTD.

WS-1 GROUNDWATER ROUTE

IS THERE AN OBSERVED RELEASE? P

ROUTE CHARACTERISTICS

DEPTH TO AQUIFER (FT.) : 50

NET PRECIPITATION (IN.) : 14

PHYSICAL STATE: LIQUID, GAS, SLUDGE

CONTAINMENT: POOR

WASTE CHARACTERISTICS

CHEMICAL NAME OR WASTE CODE NUMBER: CADMIUM

TOXICITY/PERSISTANCE VALUE: 18

QUANTITY KNOWN? NO

CUBIC YARDS OR TONS: 0
DRUMS : 0

TARGETS

GROUNDWATER USE: POSSIBLE DRINKING WATER

DISTANCE TO WELL (MILES): 2.0

EPA ID NO. : NJD067484923
EL BETH LTD.

WS-2 SURFACE WATER ROUTE

RELEASES

IS THERE AN OBSERVED RELEASE? N

IS THERE A PERMITTED OUTFALL? N

HAVE THERE BEEN PERMIT VIOLATIONS? N

ROUTE CHARACTERISTICS

FACILITY LOCATION: 100-YEAR FLOOD PLAIN

24-HOUR RAINFALL: 2.5

DISTANCE TO SURFACE WATER (MILES): 0.01

PHYSICAL STATE: LIQUID, GAS, SLUDGE

CONTAINMENT: POOR

WASTE CHARACTERISTICS

CHEMICAL NAME OR WASTE CODE NUMBER: CADMIUM

TOXICITY/PERSISTANCE VALUE: 18

QUANTITY KNOWN? NO

CUBIC YARDS OR TONS: 0
DRUMS : 0

TARGETS

SURFACE WATER USE: POSSIBLE DRINKING WATER OR RECREATION

DISTANCE TO INTAKE OR CONTACT POINT (MILES): 0.1

DISTANCE TO SENSITIVE ENVIRONMENT (MILES): 0.1

EPA ID NO. : NJD067484923
EL BETH LTD.

WS-3 AIR ROUTE

RELEASES

IS THERE AN OBSERVED, UNPERMITTED, ON-GOING RELEASE? N

DOES THE FACILITY HAVE AN AIR OPERATING PERMIT(S)? N

HAVE THERE BEEN ANY PERMIT VIOLATIONS OR ODOR COMPLAINTS BY RESIDENTS? N

CAN CONTAMINANTS MIGRATE INTO AIR? Y

CONTAINMENT: POOR

WASTE CHARACTERISTICS

CHEMICAL NAME OR WASTE CODE NUMBER: CADMIUM

TOXICITY/PERSISTANCE VALUE: 3

QUANTITY KNOWN? NO

CUBIC YARDS OR TONS: 0
DRUMS : 0

TARGETS

POPULATION: RESIDENCES ARE LOCATED WITHIN FOUR MILES

DISTANCE TO SENSITIVE ENVIRONMENT (MILES): 0.1

EPA ID NO. : NJD067484923
EL BETH LTD.

WS-4 ON SITE CONTAMINATION

ACCESS TO SITE: LIMITED ACCESS

IS THERE AN OBSERVED SURFACE SOIL CONTAMINATION? N

CONTAINMENT: POOR

WASTE CHARACTERISTICS

CHEMICAL NAME OR WASTE CODE NUMBER: CADMIUM

TOXICITY/PERSISTANCE VALUE: 3

TARGETS

DISTANCE TO RESIDENTIAL AREAS (MILES): 0.09

IS THERE AN ON-SITE SENSITIVE ENVIRONMENT: N

RCRA PRIORITIZATION SYSTEM SCORING SUMMARY

FOR EL BETA LTD.
PERTH AMBOY, NJ

EPA SITE NUMBER: NJD067484923

SCORED BY: JAMES ROMIG
OF CDM FEDERAL
ON OCTOBER 15, 1993

GROUNDWATER SCORE :

SURFACE WATER SCORE:

AIR ROUTE SCORE :

ONSITE SCORE :

MIGRATION SCORE :

EPA ID NO. : NJD067484923

WS-1 GROUNDWATER ROUTE

IS THERE AN OBSERVED RELEASE? NO (REF 1; PART IV; ITEM 1)
Score Possible

ROUTE CHARACTERISTICS

DEPTH TO AQUIFER (FT.) : 50 (REF 1; PART IV; ITEM 3)

NET PRECIPITATION (IN.) : 14 (REF 2 · SECT. 3.0; MAPS OF MEAN ANNUAL LAKE EVAPORATION AND NORMAL ANNUAL TOTAL PRECIPITATION).

PHYSICAL STATE: UNSTABLE SOLIDS, SLUDGES, ~~LIQUIDS~~ DUSTS (REF 1; PART II; WASTE UNITS 1 AND 2).

CONTAINMENT: WASTE UNIT 1: FAIR (2) - (REF 1; PART II; WASTE UNIT 1; ITEM 1) - NOT KNOWN IF DRUMS WERE LEAKY, ETC.
WASTE UNIT 2: POOR (3) - (REF 1; PART II; WAST UNIT 2; ITEM 1) - NOT KNOWN IF DEBRIS IS ON OLD FOUNDATION, PAVED AREA, OR GROUND
Score Poor

WASTE CHARACTERISTICS

CHEMICAL NAME OR WASTE CODE NUMBER: CADMIUM

TOXICITY/PERSISTANCE VALUE: 18

QUANTITY KNOWN? ~~WAS~~ NO

CUBIC YARDS OR TONS: WASTE UNIT 1: 50,000 LBS OF HAZ WASTE
DRUMS : STORED IN DRUMS ANNUALLY (REF 1; PART II; WASTE UNIT 1; ITEM 2)
WASTE UNIT 2: QUANTITY OF WASTE PRESENT IN DEBRIS IS NOT KNOWN (REF 1; PART II; WASTE UNIT 1; ITEM 2)
∴ LARGE STORAGE OR DISPOSAL AREA)

TARGETS

GROUNDWATER USE: POSSIBLE DRINKING WATER (REF 1; PART IV; ITEM 4)

DISTANCE TO WELL (MILES): 2 MILES (REF 1; PART IV; ITEM 4)

EPA ID NO. : NJD067484923

WS-2 SURFACE WATER ROUTE

RELEASES

IS THERE AN OBSERVED RELEASE? NO (REF 1; PART IV; ITEM 10)

IS THERE A PERMITTED OUTFALL? NO (REF 1; PART I; ITEM 11)

HAVE THERE BEEN PERMIT VIOLATIONS? NO - (NO PERMITTED OUTFALLS)

ROUTE CHARACTERISTICS

FACILITY LOCATION: PRIMARILY within 100-YEAR; A SMALL PORTION IS WITHIN THE 100-500YR (REF 1; PART IV; ITEM 13)

24-HOUR RAINFALL: 2.5 INCHES (REF 2; 1 YEAR 24 HR RAINFALL MAP)

DISTANCE TO SURFACE WATER (MILES): 0 (ADJOINING) (REF 1; PART IV; ITEM 12)

PHYSICAL STATE: SOLIDS, SLUDGES (REF 1; PART II; WASTE UNITS 1 AND 2)

CONTAINMENT: WASTE UNIT : 3 (REF 1; PART II; WASTE UNITS 1 AND 2; ITEM 2)
Poor (2 contaminated debris / soil or SW contact)

WASTE CHARACTERISTICS

CHEMICAL NAME OR WASTE CODE NUMBER: CADMIUM

TOXICITY/PERSISTANCE VALUE: 1Y

QUANTITY KNOWN? NO

CUBIC YARDS OR TONS:
DRUMS : LARGE STORAGE OR DISPOSAL AREA (SEE GROUNDWATER ~~SELECTED~~ ROUTE)

TARGETS

SURFACE WATER USE: RECREATIONAL (REF 1; PART IV; ITEM 14))

DISTANCE TO INTAKE OR CONTACT POINT (MILES): 0 (REF 1; PART IV; ITEM 12)

DISTANCE TO SENSITIVE ENVIRONMENT (MILES): 0 (ADJOINING ARTHUR KILL FISHERY) (REF 1; PART IV; ITEM 12)

EPA ID NO. : NJD067484923

WS-3 AIR ROUTE

RELEASES

IS THERE AN OBSERVED, UNPERMITTED, ON-GOING RELEASE? NO (REF 1; PART III; ITEM 21)

DOES THE FACILITY HAVE AN AIR OPERATING PERMIT(S)? NO (REF 1; PART I; ITEM 11)

HAVE THERE BEEN ANY PERMIT VIOLATIONS OR ODOR COMPLAINTS BY RESIDENTS? NO (REF 1; SITE SUMMARY)

CAN CONTAMINANTS MIGRATE INTO AIR? YES (REF 1; PART IV; ITEM 21)

CONTAINMENT: POOR - (REF 1; PART II; WASTE UNIT 2; ITEM 1)

WASTE CHARACTERISTICS

CHEMICAL NAME OR WASTE CODE NUMBER: CADMIUM (REF 1; PART II; WASTE UNIT 2; & HAZARDOUS SUBSTANCES)

TOXICITY/PERSISTANCE VALUE: 3

QUANTITY KNOWN? NO

CUBIC YARDS OR TONS: UNKNOWN QUANTITY OF WASTE PRESENT IN DEBRIS, & LARGE DISPOSAL AREA

DRUMS :

(REF 1; PART II; WASTE UNIT 2; HAZ. WASTE QUANTITY)

TARGETS

POPULATION: RESIDENCES ARE WITHIN FOUR MILES

DISTANCE TO SENSITIVE ENVIRONMENT (MILES): 0 (REF 1; PART IV; ITEM 23)

EPA ID NO. : NJD067484923

WS-4 ON SITE CONTAMINATION

ACCESS TO SITE: Limited Access (Ref 1; Site Summary and Recommendation; Para 5)

IS THERE AN OBSERVED SURFACE SOIL CONTAMINATION? No

CONTAINMENT: 3 (Poor) - Not clear if debris is located on paved areas, soil, or both (Ref 1; Part II; Description)

WASTE CHARACTERISTICS

CHEMICAL NAME OR WASTE CODE NUMBER: Cadmium (Ref 1; Part II; Hazardous Substances)

TOXICITY/PERSISTANCE VALUE: 3

TARGETS

DISTANCE TO RESIDENTIAL AREAS (MILES): .09 (Ref 1; Reference No. 19)

IS THERE AN ON-SITE SENSITIVE ENVIRONMENT: No (Ref 1; Part IV; Item 20)

References

1. Halliburton NUS Environmental Corporation, Environmental Priorities Initiative Preliminary Assessment Report for the E.L. Beth Ltd. Facility in Perth Amboy, New Jersey, March 30, 1992.

2- U.S. Environmental Protection Agency, Uncontrolled Hazardous Waste Site Ranking Syste - A User's Manual, August 1982.

Please print or type with ELITE type *(12 characters/inch)* in the unshaded areas only.

Form Approved OMB No. 158-S79016
GSA No. 0246-EPA-OT

EPA U.S. ENVIRONMENTAL PROTECTION AGENCY
NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law *(Section 3010 of the Resource Conservation and Recovery Act).*

INSTALLATION'S EPA I.D. NO.	NJD067484923
I. NAME OF INSTALLATION	
II. INSTALLATION MAILING ADDRESS	E L BETH* 500 HIGH ST PERTH AMBOY, NJ 08861
III. LOCATION OF INSTALLATION	500 HIGH ST PERTH AMBOY, NJ 08861

DETACH

FOR OFFICIAL USE ONLY

COMMENTS: C

INSTALLATION'S EPA I.D. NUMBER	APPROVED	DATE RECEIVED (yr., mo., & day)
F NJD067484923 T/A 3 C 1		800915

I. NAME OF INSTALLATION

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX: 3

CITY OR TOWN: 4 | ST. | ZIP CODE

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER: 5

CITY OR TOWN: 6 | ST. | ZIP CODE

IV. INSTALLATION CONTACT

NAME AND TITLE *(last, first, & job title)*: 2 MCCABE THOMAS A PROJECT ENGR

PHONE NO. *(area code & no.)*: 201-826-0800

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER: 8 MC CANFIELD SONS

B. TYPE OF OWNERSHIP *(enter the appropriate letter into box)*: M

F = FEDERAL
M = NON-FEDERAL

VI. TYPE OF HAZARDOUS WASTE ACTIVITY *(enter "X" in the appropriate box(es))*

- [X] A. GENERATION
- [ ] B. TRANSPORTATION *(complete item VII)*
- [X] C. TREAT/STORE/DISPOSE
- [ ] D. UNDERGROUND INJECTION

VII. MODE OF TRANSPORTATION *(transporters only – enter "X" in the appropriate box(es))*

- [ ] A. AIR
- [ ] B. RAIL
- [ ] C. HIGHWAY
- [ ] D. WATER
- [ ] E. OTHER *(specify)*:

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

- [X] A. FIRST NOTIFICATION
- [ ] B. SUBSEQUENT NOTIFICATION *(complete item C)*

C. INSTALLATION'S EPA I.D. NO.

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.

CONTINUE ON REVERSE

I.D. – FOR OFFICIAL USE ONLY			
S	(2–13)	T/A	C
W	NJD067484923	2	1

IX. DESCRIPTION OF HAZARDOUS WASTES *(continued from front)*

A. HAZARDOUS WASTES FROM NON–SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.31 for each listed hazardous waste from non–specific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
7	**8**	**9**	**10**	**11**	**12**

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
K069					
19	**20**	**21**	**22**	**23**	**24**
25	**26**	**27**	**28**	**29**	**30**

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four–digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	**38**	**39**	**40**	**41**	**42**
43	**44**	**45**	**46**	**47**	**48**

D. LISTED INFECTIOUS WASTES. Enter the four–digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

E. CHARACTERISTICS OF NON–LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non–listed hazardous wastes your installation handles. *(See 40 CFR Parts 261.21 – 261.24.)*

- [ ] 1. IGNITABLE (D001)
- [X] 2. CORROSIVE (D002)
- [ ] 3. REACTIVE (D003)
- [ ] 4. TOXIC (D000)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE	NAME & OFFICIAL TITLE *(type or print)*	DATE SIGNED
Thomas A. McCabe	THOMAS A. McCABE PROJECT ENG.	8/18/80

EPA Form 8700-12 (6-80) REVERSE

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT
HAZARDOUS WASTE INSPECTION REPORT

DWM-029

HAZARDOUS WASTE MANAGEMENT FACILITY INSPECTION REPORT

FACILITY INFORMATION

FACILITY NAME: E.L. Beth LTD.

FILE NUMBER: 12-16-28

VHT FACILITY FILE NUMBER:

PERMIT #:

REGION: C

INSPECTION DATE: 6/4/90

INCIDENT/CASE NUMBER:

INSPECTION TYPE: TSD RCRA

RESPONSIBLE AGENCY CODE:

INSPECTOR'S NAME: Pete Taylor

INSPECTOR'S AGENCY: NJDEP

INSPECTOR'S BUREAU: DHWM/BCE

EPA ID NUMBER: NJD067485923

ADDRESS: 500 High Street
Perth Amboy

LOT: BLOCK:

COUNTY: middlesex

FACILITY PERSONNEL:

TELEPHONE #: 201-826-5050

OTHER STATE/EPA PERSONNEL: 2

REPORT PREPARED BY: Pete Taylor

REVIEWED BY:

DATE OF REVIEW: 6/9/90

TIME IN: _____

TIME OUT: _____

PHOTOS TAKEN (__) YES (__) NO IF YES, HOW MANY? _____

SAMPLE TAKEN (__) YES (__) NO NO. OF SAMPLES _____

NJDEP SAMPLE ID#: _____

MANIFESTS REVIEWED (__) YES (__) NO

Number of manifests in compliance _____

Number of manifests not in compliance _____

List manifest document numbers of those manifests not in compliance.

This Facility has been closed since 1985

SUMMARY OF FINDINGS

FACILITY DESCRIPTION AND OPERATIONS

EL Beth was a foundry operation which manufactured solder, casting metals, and lead alloys.

This site is situated at 500 State Street, Perth Amboy. The site borders the Arthur Kill.

This facility has not been in operation since 1981, at which time it was completely destroyed by fire. This fire destroyed all hazardous waste manifests as well as other company records.

On 1/16/85 Linda Zaninelli, NJDEP-DHWM/BCE, conducted a RCRA inspection at this facility. At that time the company had applied for closure. This closure was granted, and the company was delisted by the NJDEP - DHWM, Bureau of Hazardous Waste Engineering on 2/14/85.

DESCRIBE THE ACTIVITIES THAT RESULT IN THE GENERATION OF HAZARDOUS WASTE.

No waste has been generated by this facility since 11/19/80. Prior to that time baghouse dust was the only waste generated at this site.

IDENTIFY THE HAZARDOUS WASTE LOCATED ON SITE, AND ESTIMATE THE APPROXIMATE QUANTITIES OF EACH (IDENTIFY WASTE CODES).

None.

GENERAL

GENERAL CHECKLIST

		YES	NO	N/A
7:26-7.4(a)1	Does the Generator have an EPA ID number?	✓	—	—
HAZARDOUS WASTE DETERMINATION				
7:26-8.5(a)	Did the generator test its waste to determine whether it is hazardous?	✗ ✓	—	—
7:26-8.5(b)	Did the generator determine the hazardous characteristics based upon knowledge of process?	✓	—	—
	Is the waste hazardous?	✓	—	—
7:26-8.5(d)	Were test results, waste analysis, or other determinations made in accordance with this section kept for three years from the date that the waste was last sent to an on-site or off-site TSF?	✓	—	—
MANIFESTS				
7:26-7.4(a)4	Does each manifest have the following information? Please circle the elements missing and obtain a copy of the incomplete manifests. (List those manifests that are deficient on G-1).			
7:26-7.4(a)4i	The generator's name, address and phone number.	—	—	—
7:26-7.4(a)4ii	The generator's EPA ID number.	—	—	—
7:26-7.4(a)4iii	The hauler(s) name, address phone number and NJ registration.	—	—	—
7:26-7.4(a)4iv	The hauler(s) EPA ID number.	—	—	—
7:26-7.4(a)4v	The name, address and phone number of the designated TSD facility.	—	—	—
7:26-7.4(a)4vi	The TSF's EPA ID number.	—	—	—
7:26-7.4(a)4v	The name, address and phone number of the designated TSD facility.	—	—	—
7:26-7.4(a)4vii	The name, type and quantity of hazardous waste being shipped, including such particulars as may be required regarding same?	—	—	—
7:26-7.4(a)4viii	Special handling instructions and any other information required on the form to be shipped by generator?	—	—	—

		YES	NO	N/A
7:26-7.4(3)	Did the generator describe all N.O.S. wastes in Section J?			
7:26-7.4(a)1x	When shipping hazardous waste to a waste reuse facility does the generator enter the waste reuse facility I.D. # in the section G of the Uniform Manifest?			
7:26-7.4(a)5	Before allowing the manifested waste to leave the generator's property, did the generator:			
7:26-7.4(a)5i	Sign the manifest certification by hand?			
7:26-7.4(a)5ii	Obtain the handwritten signature of the initial transporter and date of acceptance on the manifest?			
7:26-7.4(a)5iii	Retain one copy and forward one copy to the state of origin and one copy to the state of destination?			
7:26-7.4(a)5iv	Provide the required numbers of copies for: generator, each hauler, owner/operator of the designated facility, as well as one copy returned to the generator by the facility owner/operator?			
7:26-7.4(a)5v	Give the remaining copies of the manifest form to the hauler?			
7.26-7.4(f)	Has the generator maintained facility records for three (3) years? (Manifest(s), exception report(s) and waste analysis)			
7:26-7.4(h)1	Has the generator received signed copies of portion B (from the TSD facility) of all manifests for waste shipped off site more than 35 days ago?			
7:26-7.4(h)1	If not: Did the generator contact the hauler and/or the owner or operator of the TSDF and the NJDEP at (609) 292-8341 to inform the NJDEP of the situation?			
7:26-7.4(h)2	Have exception reports been submitted to the Department covering any of these shipments made more than 45 days ago?			

7:26-9.3

Accumulation Time

How is waste accumulated on site?

(✓) Containers
(__) Tanks (greater than 90 days)
(complete HWMF (TSD) Facility Checklist)
(__) Tanks (less than 90 days)
(__) Above ground
(__) Below ground
(__) Surface impoundments
(complete HWMF (TSD) Facility Checklist)
(__) Piles (complete HWMF checklist)

	YES	NO	N/A
7:26-9.3(a)1 Is waste accumulated for more than 90 days?			
when stored	✓	—	—

STOP HERE IF THE HAZARDOUS WASTE MANAGEMENT FACILITY (TSF) CHECKLIST IS FILLED OUT.

No waste on site since 1980

HAZARDOUS WASTE FACILITY STANDARDS

		YES	NO	N/A
MANIFESTS				
7:26-7.4(a)4	Does each manifest have the following information? Please circle the elements missing and obtain a copy of the incomplete manifests. (List those manifests that are deficient on G-1).			
7:26-7.4(a)4i	The generator's name, address and phone number.			
7:26-7.4(a)4ii	The generator's EPA ID number.			
7:26-7.4(a)4iii	The hauler(s) name, address phone number and NJ registration.			
7:26-7.4(a)4iv	The hauler(s) EPA ID number.			
7:26-7.4(a)4v	The name, address and phone number of the designated TSD facility.			
7:26-7.4(a)4vi	The TSF's EPA ID number.			
7:26-7.4(a)4v	The name, address and phone number of the designated TSD facility.			
7:26-7.4(a)4vii	The name, type and quantity of hazardous waste being shipped, including such particulars as may be required regarding same?			
7:26-7.4(a)4viii	Special handling instructions and any other information required on the form to be shipped by generator?			

		YES	NO	N/A
7:26-7.4(3)	Did the generator describe all N.O.S. wastes in Section J?			
7:26-7.4(a)ix	When shipping hazardous waste to a waste reuse facility does the generator enter the waste reuse facility I.D. # in the section G of the Uniform Manifest?			
7:26-7.4(a)5	Before allowing the manifested waste to leave the generator's property, did the generator:			
7:26-7.4(a)5i	Sign the manifest certification by hand?			
7:26-7.4(a)5ii	Obtain the handwritten signature of the initial transporter and date of acceptance on the manifest?			
7:26-7.4(a)5iii	Retain one copy and forward one copy to the state of origin and one copy to the state of destination?			
7:26-7.4(a)5iv	Provide the required numbers of copies for: generator, each hauler, owner/operator of the designated facility, as well as one copy returned to the generator by the facility owner/operator?			
7:26-7.4(a)5v	Give the remaining copies of the manifest form to the hauler?			
7.26-7.4(f)	Has the generator maintained facility records for three (3) years? (Manifest(s), exception report(s) and waste analysis)			
7:26-7.4(h)1	Has the generator received signed copies of portion B (from the TSD facility) of all manifests for waste shipped off site more than 35 days ago?			
7:26-7.4(h)1	If not: Did the generator contact the hauler and/or the owner or operator of the TSDF and the NJDEP at (609) 292-8341 to inform the NJDEP of the situation?			
7:26-7.4(h)2	Have exception reports been submitted to the Department covering any of these shipments made more than 45 days ago?			

Comment deleted 2/14/85

Records Board

		YES	NO	N/A
7:26-9.4(b)	Waste Analysis			
7:26-9.4(b)1i	Is there a detailed chemical and physical analysis of a representative sample of the waste(s) or each waste? (At a minimum, this analysis most contain all the information necessary for proper treatment storage or disposal of the waste).			
7:26-9.4(b)1iii	Does the character of the waste handled at the facility change from day to day, week to week, etc., thus requiring frequent testing? Check only one:			
	Waste characteristics vary:			
	All waste(s) are basically the same:			
	Company treats all waste(s) as hazardous:			
7:26-9.4(b)2	Is there a written waste analysis plan at the facility?			
	Does it contain:			
7:26-9.4(2)i	Parameters for which each hazardous waste stream will be analyzed including constituents listed in NJAC 7:26-8.16 and the rational for the selection of these parameters?			
7:26-9.4(b)2ii	The test methods which will be used to test for these parameters?			
7:26-9.4(b)2iii	The sampling method which will be used to obtain a representative sample of the waste to be analyzed?			
7:26-9.4(b)2iv	The frequency with which the initial analysis of the waste will be reviewed or repeated to ensure that the analysis is accurate and up-to-date?			
7:26-9.4(b)2v	For off-site facilities, the waste analysis that hazardous waste generators have agreed to supply?			
7:26-9.4(b)2vii	Procedures which will be used to identify changes in waste stream characteristics?			
	Does hazardous waste come to this facility from an outside source? (e.g., another generator).			
	If yes, list the name(s) of generators.			

		YES	NO	N/A
7:26-9.4(b)4	If waste comes from an outside source, are there procedures in the waste analysis plan to insure that waste received conforms to the accompanying manifest?			
	Does the plan describe:			
7:26-9.4(b)4i	The procedures which will be used to determine the identity of each shipment of waste managed at the facility?			
7:26-9.4(b)4ii	The sampling method which will be used to obtain a representative sample of the waste to be identified, if the identification method includes sampling?			
7:26-9.4(c)1	Did the facility accept hazardous waste which it is not authorized to handle?			
7:26-9.4(i)	Are all records and results of waste analysis performed pursuant to NJAC 7:26-9.4(b) and 9.4(e) as applicable written in the operating log?			
7:7:26-9.4(h)	**Security** Facility Closed			
	Does the facility have: & Delisted			
7:26-9.4(h)1i	A 24 hour surveillance system which continuously monitors and controls entry onto the active portion of the facility?			
7:26-9.4(h)1ii	An artificial or natural barrier, which completely surrounds the active portion of the facility; and a means to control entry, at all times, through the gates or other entrances to the active portion of the facility?			
7:26-9.4(h)3	Are there "Danger-Unauthorized Personnel Keep Out" signs posted at each entrance to the facility?			
	If no, explain what measures are taken for security.			

		YES	NO	N/A
7:26-9.4(f)	General Inspection Requirements			
7:26-9.4(f)1	Does the owner or operator inspect the facility for malfunctions and deterioration, operator errors and discharges which may be causing, or may lead to:			
7:26-9.4(f)1i	Discharge of hazardous waste constituents to the environment?			
7:26-9.4(f)1ii	A threat to human health?			
7:26-9.4(f)3	Has the owner or operator developed, and does the owner or operator follow a written schedule for inspecting monitoring equipment, safety and emergency equipment, security devices, and operating and structural equipment that are utilized for the prevention, detection or response to environmental or human health?			
7:26-9.4(f)3i	Did the owner or operator submit the written inspection schedule to the department?			
	If yes, when was it submitted?			
7:26-9.4(f)3iii	Is the written inspection schedule kept at the facility?			
7:26-9.4(f)3iv	Does the schedule identify the types of problems to be looked for during the inspection?			
7:26-9.4(f)3v	Does the schedule include the frequency of inspection, based upon the rate of possible deterioration of the equipment and the probability of an environmental, or human health incident if the deterioration or malfunctions or any operator error goes undetected between inspections?			
7:26-9.4(f)5	Is there evidence that problems reported in the inspection log have not been remedied?			
7:26-9.4(f)6	Does the owner/operator record inspections in a log?			

		YES	NO	N/A
7:26-9.4(f)6	Are these records kept for at least three (3) years from the date of inspection?			
7:26-9.4(f)6	Does the records include the date, and time of the inspection, the name of the inspector, a notation of the observations made, and the date and nature of any repairs or other remedial action?			
7:26-9.4(g)	Personnel Training Have facility personnel successfully completed a program of classroom instruction or on-the-job training within six months of having been employed?			
7:26-9.4(g)2	Is the program directed by a person trained in hazardous waste management procedures and does it include instruction which teaches facility personnel hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed?			
7:26-9.4(g)5	If yes, have facility personnel taken part in an annual review of training?			
	Is there written documentation of the following:			
7:26-9.4(g)6i	Job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job?			
7:26-9.4(g)6ii	A written job description for each position related to hazardous waste management?			
7:26-9.4(g)6iii	A written description of the type and amount of both introductory and continuing training given to personnel in jobs related to hazardous waste management?			
7:26-9.4(g)6iv	Documentation of actual training or experience received by personnel?			

Facility closed over 3 yrs ~~2 yrs~~ Records Burned

		YES	NO	N/A
7:26-9.4(g)7	Are training records kept on all current employees until closure of the facility and training records kept on former employees for three years from their last date of employment?			
7:26-9.4(g)8	Are semi-annual drills conducted involving all employees and appropriate local authorities to test emergency response capabilities at the facility in accordance with the contingency plan and emergency procedures development pursuant to NJAC 7:26-9.7?			
7:26-9.6	Preparedness and Prevention Records Barred			
	Does the facility comply with preparedness and prevention requirements including maintaining:			
7:26-9.6(b)1	An internal communications or alarm system?			
7:26-9.6(b)2	A telephone or other device to summon emergency assistance from local authorities?			
7:26-9.6(b)3	Portable fire equipment, spill control equipment, and decontamination equipment?			
7:26-9.6(b)4	Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems?			
7:26-9.6(c)	Is equipment tested and maintained?			
7:26-9.6(d)1	Is there immediate access to communications or alarm systems during handling of hazardous waste?			
7:26-9.6(e)	Adequate aisle space to allow unobstructed movement of personnel fire protection equipment, spill control equipment and decontamination equipment?			
	If no, please explain.			

		YES	NO	N/A
	In your opinion, do the types of waste on site require all of the above procedures, or are some not required? Explain.			
7:26-9.6(f)	Has the facility made the following arrangements, as appropriate for the type of waste handled on site?			
7:26-9.6(f)1	Familiarize police, fire departments and emergency response teams with the layout of the facility and hazardous waste handled?			
7:26-9.6(f)2	Where more than one police and fire department might respond to an emergency, is there an agreement designating primary emergency authority to a specific police or fire department, and agreements with any others to provide support to the primary emergency authority?			
7:26-9.6(f)3	Agreements with emergency response contractors, and equipment suppliers?			
7:26-9.6(f)4	Arrangements to familiarize local hospitals with the properties of hazardous waste handled at the facility and the types of injuries or illnesses which could result from fires, explosions, or discharges at the facility?			
7:26-9.6(f)5	Arrangements with local fire departments to inspect the facility on a regular basis with at least two inspections annually?			
7:26-9.7	<u>Contingency Plan and Emergency Procedures</u>			
7:26-9.7(a)	Does the facility have a written contingency plan for emergency procedures designed to deal with fires, explosions, hazards to human health or environment, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil or surface water? Records Burned			

		YES	NO	N/A
7:26-9.7(b)	Are provisions of the plan carried out immediately whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents which could threaten human health or the environment?			
7:26-9.7(c)	Does the contingency plan describe the actions facility personnel shall take in response to fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water at the facility?			
7:26-9.7(d)	Did the owner or operator prepare a Spill Prevention, Control, and Countermeasures (SPCC) Plan in accordance with 40 CFR 112 or 151 or a Discharge Prevention, Containment and Countermeasure (DPCC) Plan in accordance with NJAC 7:1E-4.1 et seq.?			
	If yes, did the owner or operator amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with the requirements of this section?			
7:26-9.7(e)	Does the plan describe arrangements agreed to by local police departments, fire departments, hospitals, contractors, and state and local emergency response teams to coordinate emergency services?			
7:26-9.7(f)	Does the plan list names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator and is this list kept up-to-date? Where more than one person is listed, one shall be named as primary emergency coordinator and others shall assume responsibility as alternates?			

		YES	NO	N/A
7:26-9.7(g)	Does the plan include a list of all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment, communications and alarm systems (internal and external), and decontamination equipment), where this equipment is required? Is the list kept up-to-date? In addition, does the plan include the location and a physical description of each item on the list, and a brief outline of its capabilities?			
7:26-9.7(h)	Does the plan include an evacuation procedure for facility personnel where there is a possibility that evacuation could be necessary? Does this plan describe signal(s) to be used to begin evacuation, evacuation routes, and alternative evacuation routes (in cases where the primary routes could be blocked by releases of hazardous waste or fires)?			
7:26-9.7(i)	Is a copy of the contingency plan and all revisions to the plan: 1. Maintained at the facility; and 2. Has the contingency plan been submitted to local authorities (police, fire departments, emergency response teams)?			
7:26-9.7(k)	Is there at least one employee on site or on call with the responsibility of coordinating all emergency response measures?			
7:26-9.8	Closure Plan activated Facility closed 2/14/85			
7:26-9.8(c)	Does the facility have a written closure plan?			
	Does the owner/operator keep a written copy of the closure plan and all revisions to the plan at the facility?			
	If yes, does the plan include:			

		YES	NO	N/A
7:26-9.8(e)1i	A description of how and when the facility will be partially closed (if applicable) and ultimately closed?			
7:26-9.8(e)1ii	The maximum extent of the operation which will be open during the life of the facility?			
7:26-9.8(e)2	An estimate of the maximum inventory of wastes in storage or in treatment at any given time during the life of the facility?			
7:26-9.8(e)3	A description of the steps needed to decontamination facility equipment during closure?			
7:26-9.8(e)4	A schedule for final closure including the anticipated date when the wastes will no longer be received, the date when completion of final closure is anticipated, and intervening milestone dates which will allow tracking of the progress of closure?			
	Post Closure Plan Not needed			
7:26-9.9(g)	Does the facility have a written post-closure plan kept at the facility?			
	If yes, does the plan:			
7:26-9.9(i)	Identify the activities which will be carried on after closure and the frequency of these activities?			
7:26-9.9(i)1	Include a description of the planned ground water monitoring activities and frequencies at which they will be performed?			
7:26-9.9(i)2	Include a description of the planned maintenance activities, and frequency at which they will be performed, to insure the following:			
7:26-9.9(i)2i	The integrity of the cap and final cover or other containment structures where applicable?			
7:26-9.9(i)2ii	Describe the function of the facility monitoring equipment?			

		YES	NO	N/A
7:26-9.9(i)3	Include the name, address and phone number of a person or office to contact about the disposal facility during the post-closure period?			
	Does the owner/operator have a written estimate of the cost of post-closure for the facility?			
	If yes, what is it?			

Please circle all appropriate activities and answer questions in appropriate sections all activities circled.

Storage	Treatment	Disposal
Container	Tank	Landfill
Tank, Above Ground	Surface Impoundments	
Tank, Below Ground	Incineration	Surface Impoundments
Surface Impoundments	Thermal Treatment	Other _____
Waste Piles		
Other _____	Chemical, Physical and Biological Treatment	
Other _____		

7:26-9.4(d) Containers

None on Site since 1980

What type of containers are used for storage? Describe the size, type, quantity and nature of wastes (e.g., 12 fifty-five gallon drums of waste acetone).

7:26-9.4(d)1i Do the containers appear to be o sturdy leakproof construction of adequate wall thickness, weld, hinge and seam strength, and of sufficient material strength to withstand side and bottom shock, while filled, without impairment of the container's ability to contain hazardous waste?

If no, explain.

		YES	NO	N/A
7:26-9.4(d)1ii	Are the lids, caps, hinges or other closure devices of sufficient strength that when closed, they will withstand dropping, overturning or other shock without impairment of the container's ability to contain hazardous waste?			
	If no, explain.			
7:26-9.4(d)2	Do the containers appear to be in good condition, not in danger of leaking?			
7:26-9.4(d)2	If not, please describe the type, condition and number of leaking or corroded containers. Be detailed and specific.			
7:26-9.4(d)3	Are hazardous wastes stored in containers made of compatible materials?			
7:26-9.4(d)4i	Are all containers securely closed, except those in use, so that there is no escape of hazardous waste or its vapors?			
	If no, explain.			
7:26-9.4(d)4iii	Do containers appear to be properly opened, handled or stored in a manner which will minimize the risk of the container rupturing or leaking?			
	If no, explain.			
7:26-9.4(d)4iv	Are containerized hazardous wastes segregated in storage by waste type?			
7:26-9.4(d)4v	Are containerized hazardous wastes arranged so that their identification label is visible?			
7:26-9.4(d)5	Does the owner/operator inspect the container storage area at least daily, looking for leaks and for deterioration caused by corrosion or other factors?			
7:26-9.4(d)6	Are containers holding ignitable and reactive waste located at least 50 feet (15 meters) away from the facility's property line?			

		YES	NO	N/A
7:26-9.4(d)7i	Are incompatible wastes, or incompatible wastes and materials placed in the same container?			
	If yes, explain.			
7:26-9.4(d)7ii	Are hazardous wastes placed in unwashed containers that previously held incompatible wastes?			
	If yes, explain.			
7:26-9.4(d)7iii	Are containers holding hazardous waste that are incompatible with any waste or other materials stored nearby in other containers, open tanks, or surface impoundments separated from the other materials or protected from them by means of a dike, berm, wall or other device?			
7:26-9.4(e)1i	Are ignitable, reactive or incompatible wastes protected from sources of ignition or reaction?			
	If no, explain.			
7:26-9.4(e)1ii	Does the owner/operator confine smoking and open flames to specially designated locations when ignitable or reactive wastes are being handled?			
	If no, explain.			
7:26-9.4(e)1iii	Does the owner/operator conspicuously place "No Smoking" signs whenever there is a hazard from ignitable or reactive waste?			
	If the treatment, storage or disposal of ignitable or reactive waste, and the mixture of incompatible wastes and materials, conducted so that it does not:			
7:26-9.4(e)2i	Generate extreme heat or pressure, fire or explosion, or violent reaction?			
7:26-9.4(e)2ii	Produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health.			

		YES	NO	N/A
7:26-9.4(e)2iii	Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk or fire or explosion?			
7:26-9.4(e)2iv	Damage the structural integrity of the device or facility containing the waste?			
7:26-9.4(e)2v	Threaten human health or the environment?			
7:26-11.2	Tanks			
	What are the approximate number and size of tanks containing hazardous waste?			
	Identify the waste treated/stored in each tank.			
	General Operating Requirements			
7:26-11.2(a)2	Are hazardous wastes or treatment reagents placed in the tank that could cause the tank or its inner liner to rupture, leak or corrode?			
	If yes, please explain.			
	Are there leaking tanks?			
7:26-11.2(a)2	Are all hazardous wastes or treatment reagents being placed in tanks compatible with the tank material so that there is no danger or ruptures, corrosion, leaks or other failures?			
7:26-11.2(3)	Do uncovered tanks have at least two feet of freeboard or an adequate containment structure?			
7:26-11.2(a)4	If waste is continuously fed into a tank, is the tank equipped with a means to stop the inflow from the tank, e.g., bypass system to a standby tank?			
7:26-11.2(c)	Inspections			
	Is the tank(s) inspected for:			
	1. Discharge control equipment (each operating day).			

		YES	NO	N/A
	2. Monitoring equipment (each operating day).			
	3. Level of waste in tank (each operating day).			
	4. Construction of materials of the tank (weekly).			
	5. Are the tanks and surrounding areas (e.g., dike) inspected weekly for leaks, corrosion or other failures (weekly)?			
7:26-11.2(e)	Are ignitable or reactive wastes stored in a manner which protects them from a source of ignition or reaction?			
	If no, please explain.			
7:26-11.2(f)	Does it appear that incompatible wastes are being stored separate from each other?			
7:26-9.2(b)	Are there underground tanks used to store hazardous waste?			
	If yes, how many and can they be entered for inspection?			
	Has the underground tank been in use on or before November 19, 1980? Specify Date.			
	If no, when was the tank placed in use?			
7:26-9.2(b)3i	Does the facility have a ground water monitoring plan approved by the department?			
7:26-9.2(b)3ii	Is the use of the tank specified to the manufacturers recommended lifetime?			
7:26-11.3	<u>Surface Impoundments</u>			
	Describe the design and operating features of the surface impoundment to prevent ground water contamination (e.g., liner leachate collection system).			
	Give the approximate size of surface impoundments (gallons or cubic feet). Please specify the types of waste stored and treated.			

		YES	NO	N/A
7:26-11.3(a)	Is there at least two feet of freeboard in the impoundment?			
7:26-11.3(b)	Do all earthen dikes have a protective cover to preserve their structural integrity?			
	If yes, please specify the type of covering.			
7:26-9.4(c)1	Does the owner/operator have a detailed chemical and physical analysis of a representative sample of the waste in the impoundment?			
7:26-9.4(i)	Does the owner/operator place the results from each waste analysis and trial test, or the documented information, in the operating record of the facility?			
7:26-11.3(d)	Does the owner or operator inspect:			
7:26-11.3(d)1	The freeboard level at least once each operating day to ensure compliance with subsection 11.3(a)?			
7:26-11.3(d)2	The surface impoundment, including dikes and vegetation surrounding the dike, at least once a week to detect any leaks, deterioration or failures in the impoundment?			
7:26-11.3(f)	Is ignitable or reactive waste placed in the surface impoundment?			
7:26-11.3(f)1	If yes, is the waste treated, rendered, or mixed before or immediately after placement in the impoundment?			
7:26-11.3(f)1i	Does the resulting waste, mixture, or dissolution of material no longer meet the definition of ignitable or reactive waste?			

		YES	NO	N/A
7:26-11.3(f)1ii	Is the waste treated, rendered or mixed so that it does not:			
7:26-9.4(e)2i	Generate extreme heat or pressure, fire or explosion, or violent reaction?			
7:26-9.4(e)2ii	Produce uncontrolled toxic mists, fumes, dusts, of gases in sufficient quantities to threaten human health?			
7:26-9.4(e)2iii	Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosion?			
7:26-9.4(e)2iv	Damage the structural integrity of the device or facility containing the waste?			
7:26-9.4(e)2v	Threaten human health or the environment?			
7:26-11.3(f)2	Is the surface impoundment used solely for emergencies?			
7:26-11.3(g)	Are incompatible wastes, or incompatible wastes and materials placed in the same surface impoundment?			
	If yes, is the waste managed so that it does not:			
7:26-9.4(e)2i	Generate extreme heat or pressure, fire or explosion, or violent reaction?			
7:26-9.4(e)2ii	Produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health?			
7:26-9.4(e)2iii	Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk or fire or explosion?			
7:26-9.4(e)2iv	Damage the structural integrity of the device or facility containing the waste?			
7:26-9.4(e)2v	Threaten human health or the environment?			
7:26-11.4	<u>Landfills</u>			
	Identify the types of waste and size of the landfill.			
	<u>General Operating Requirements</u>			
7:26-11.4(a)1	Is run-on diverted away from all portions of the landfill?			

		YES	NO	N/A
7:26-11.4(a)2	Is runoff from active portions of the landfill collected?			
7:26-11.4(a)3	Is waste which is subject to wind dispersal controlled?			
	Please explain how.			
7:26-11.4(a)4	Does waste disposal or the disposal operation occur within 200 feet (60.6 meters) of the property boundary?			
7:26-11.4(a)6	Are untreated, ignitable, or reactive wastes placed in the landfill?			
	If yes, explain.			
7:26-11.4(a)7	Are incompatible wastes, or incompatible wastes and materials placed in the same hazardous waste landfill cell?			
	If yes, explain.			
7:26-11.4(a)8	Are bulk or non-containerized liquid waste or waste containing free liquids placed in a hazardous waste landfill?			
	If yes:			
7:26-11.4(a)8i	Does the hazardous waste landfill have a liner which is chemically and physically resistant to the added liquid and a functioning leachate collection and removal system with a capacity sufficient to remove all leachate produced?			
7:26-11.4(a)8ii	Before disposal, is the liquid waste or waste containing free liquids treated or stabilized, chemically or physically, so that free liquids are no longer present?			
7:26-11.4(a)9	Are containers holding liquid waste or waste containing free liquids placed in a hazardous waste landfill?			
	If yes:			
7:26-11.4(a)9i	Is the container designed to hold liquids or free liquids for a use other than storage, such as a battery?			

		YES	NO	N/A
7:26-11.4(a)9ii	Is the container very small, such as an ampule?			
7:26-11.4(a)10	Are empty containers crushed flat, shredded, or similarly reduced in volume before it is buried beneath the surface of a hazardous waste landfill?			
7:26-11.4(a)11	Does the owner or operator of a hazardous waste landfill continue to dispose of hazardous wastes subsequent to the detection of any liquid, in the secondary collection system?			
7:26-11.4(b)	Does the owner or operator of a hazardous waste landfill maintain an operating record required in NJAC 7:26-9.4(i)?			
7:26-11.4(b)1	Does the owner/operator maintain a map, the exact location and dimensions, including depth of each cell with respect to permanently surveyed bench marks?			
7:26-11.4(b)2	The contents of each cell and the appropriate location of each hazardous waste type within each cell?			
	Are containers holding liquid waste or waste containing free liquids placed in the landfill?			
	Please describe the types and contents of such containers placed in the landfill.			
	Are empty containers placed in the landfill crushed flat, shredded or similarly reduced in volume before they are buried?			
	Are small containers of hazardous waste in overpacked drums placed in the landfill?			
	If yes, please describe precautions taken to prevent the release of the waste.			
7:26-11.5	Incinerator			
	What type of incinerator is at the site (e.g., waterwall incinerator, boiler, fluidized bed, etc.).			

		YES	NO	N/A
	Is the residue from the incinerator a hazardous waste?			
	What types of air pollution control devices (if any) are installed in the incinerator unit?			
	Is energy recovered from the process?			
	If yes, describe.			
	What is the destruction and removal efficiency for the organic hazardous waste constituents?			
7:26-11.5(b)1	Does the operating record include additional analysis and to determine types of pollutants which might be emitted including:			
7:26-11.5(b)1i	Heating value of the waste?			
7:26-11.5(b)1ii	Halogen and sulfur content?			
7:26-11.5(b)1iii	Concentrations of lead and mercury?			
7:26-11.5(2)	If no to any of the above questions, is there justification and documentation?			
	If operating, does it appear the incinerator is operating at steady state for conditions of operation, including temperature and air flow?			
	Monitoring and Inspection			
7:26-11.5(c)1	Are existing instruments relating to combustion and emission controls monitored every 15 minutes?			
	If no, explain.			
7:26-11.5(c)1	Does the incinerator have all the following instruments for measuring: Wastefeed, auxiliary fuel feed air flow, incinerator temperature scrubber flow, and scrubber pH? (Circle Missing Instruments).			
	If no, explain.			
7:26-11.5(c)2	Is the stack plume observed visually at least hourly for opacity and color?			

		YES	NO	N/A
7:26-11.5(c)3	Are there any signs of leaks, spill and fugitive emission associated with the pumps, valves, conveyors, pipes, etc.?			
	If yes, describe.			
7:26-11.5(c)3	Are all emergency shutdown controls and system alarms checked to assure proper operation?			
	Is there any reason to believe the incinerator is being operated improperly? i.e., steady state conditions are not maintained.			
	If yes, explain.			
7:26-11.5(c)3	Is the incinerator inspected daily?			
7:26-11.6	Thermal Treatment			
	What type of thermal treatment is at the site (e.g., waterwall incinerator, boiler, fluidized bed, etc.).			
	List the types and quantities of hazardous waste thermally treated.			
	Is the residue from the thermal treatment unit a hazardous waste?			
	What types of air pollution control devices (if any) are installed in the thermal treatment unit?			
	Is energy recovered from the process?			
	If yes, describe.			
	What is the destruction and removal efficiency for the organic hazardous waste constituents?			
7:26-11.6(b)1	Does the operating record include additional analysis and to determine types of pollutants which might be emitted including:			
7:26-11.6(b)1i	Heating value of the waste?			
7:26-11.6(b)1ii	Halogen and sulfur content?			
7:26-11.6(b)1iii	Concentrations of lead and mercury?			

		YES	NO	N/A
7:26-11.6(2)	If no to any of the above questions, is there justification and documentation?			
	If operating, does it appear the thermal treatment unit is operating at steady state for conditions of operation, including temperature and air flow?			
	Monitoring and Inspection			
	Are existing instruments relating to combustion and emission controls monitored every 15 minutes?			
	If no, explain.			
7:26-11.6(c)1	Does the thermal treatment have all the following instruments for measuring: Wastefeed, auxiliary fuel feed air flow, incinerator temperature scrubber flow, and scrubber pH? (Circle Missing Instruments).			
	If no, explain.			
7:26-11.6(c)2	Is the stack plume observed visually at least hourly for opacity and color?			
7:26-11.6(c)3	Are there any signs of leaks, spills and fugitive emission associated with the pumps, valves, conveyors, pipes, etc?			
	If yes, describe.			
7:26-11.6(c)3	Are all emergency shutdown controls and system alarms checked to assure proper operation?			
	Is there any reason to believe the thermal treatment unit is being operated improperly? i.e., steady state conditions are not maintained.			
	If yes, explain.			
7:26-11.6(c)3	Is the thermal treatment inspected daily?			
7:26-11.6(e)	Is there open burning of hazardous waste?			
	If yes, what is being burned? (Only burning or detonation of explosives is permitted).			

		YES	NO	N/A
	If open burning or detonation of explosives is taking place, approximately what is the distance from the open burning or detonation to the property of others?			
7:26-11.7	Chemical, Physical and Biological Treatment (Other than in tanks, surface impoundments or plant treatment facilities). Describe the treatment system at this facility and the types of wastes treated.			
7:26-11.7(a)2	Does the treatment process system show any signs or ruptures, leaks or corrosion? If yes, describe.			
7:26-11.7(a)3	Is there a means to stop the inflow of continuously fed hazardous wastes?			
	Inspections			
7:26-11.7(c)1	Is the discharge control safety equipment (e.g., waste feed cut-off systems, bypass systems, drainage systems and pressure relief systems) in good working order?			
7:26-11.7(c)1	Are they inspected at least once each operation day?			
7:26-11.7(c)2	Does the data gathered from the monitoring equipment (e.g., pressure and temperature gauges) show treatment process is operating according to design?			
7:26-11.7(c)2	Is data gathered at least once each operating day?			
7:26-11.7(c)3	Are construction materials of the treatment process inspected at least weekly to detect corrosion or leaking of fixtures and seams?			
7:26-11.7(c)4	Are the discharge confinement structures (e.g., dikes) immediately surrounding the treatment unit inspected at least weekly to detect erosion or obvious signs of leakage (e.g., wet spots or dead vegetation).			

		YES	NO	N/A
7:26-11.7(e)1	Are ignitable or reactive waste fed into the waste treatment system treated or protected from any material or conditions which may cause it to ignite or react?		/	
	If yes, explain how.			
7:26-11.7(f)	Are the incompatible wastes placed in the same treatment process?			
	If yes, please explain.			
7:14A-6	Ground Water Monitoring			
	(Applies only to: Surface impoundments, landfills, land disposal facilities).			
7:14A-6.2	Does the owner/operator have a ground water monitoring plan approved by the department and capable of determining the facility's impact on the quality of ground water?			
	If no, please explain.			
	How many monitoring wells has the facility installed?			
	What is the depth to ground water?			
	How many deep monitoring wells are on site? (Indicate depth of monitoring wells).			
	How many shallow monitoring wells are on site? (Indicate depth of monitoring wells).			
7:14A-6.3(a)	Is the ground water monitoring system capable of yielding ground water samples for analysis?			
	If no, please explain.			
7:14A-6.3(a)1	Are monitoring wells installed hydraulically upgradient?			
	If yes, specify how many and the depth of each.			

		YES	NO	N/A
7:14A-6.3(a)2	How many monitoring wells are installed hydraulically downgradient?			
	If yes, specify how many and the depth of each.			
7:14A-6.4(a)	Does the owner/operator have a ground water sampling and analysis plan?			
	If no, please explain.			
7:14A-6.4(a)	Does the plan include procedures and techniques for:			
	1. Sample Collection			
	2. Sample Preservation and Shipment			
	3. Analytical Procedures			
	4. Chain of Custody			
	List the types and quantities of hazardous waste incinerated.			
7:26-9.4(b)3	Did the owner or operator submit the waste analysis plan to the Department?			
	If yes, when was the plan submitted?			

Inspector: Taylor
Address: Twin Rivers Prof Bldg
East Windsor NJ
Telephone No: 609-426-0700

RCRA LAND DISPOSAL RESTRICTION
GENERATOR CHECKLIST

I. HANDLER IDENTIFICATION

A. Handler Name: E L Bertz LTD.
B. Street (or other identifier): 500 State St
C. City: Perth Amboy
D. State: NJ,
E. Zip Code:
F. County Name: Middlesex
G. Nature of Business; Identification of Operations: SIC Code(s): Foundry 5051
H. EPA ID #: NJD067484923
I. Handler Contact (Name and Phone Number): Robert Silverman 201-688-5050

II. GENERATOR COMPLIANCE

A. Waste Identification

Comments

1. F-Solvents

a. Does the handler generate the following wastes?

(i) ~~F001, F002, F004, or F005~~ ___Yes ___No

(ii) F003 ___Yes ___No

If an F003 wastestream (listed solely for ignitability) has been mixed with a non-restricted solid or hazardous waste, does the resultant mixture exhibit the ignitability characteristic? ___Yes ___No

b. Source of the above: Form 8700-12 ___; Part A ___; Part B ___; Biennial/Annual Reports ___ other (specify) ___

This Facility has been closed and delisted since 2/14/85. ~~Prior~~ They have not produced any wastes since 1980. Prior to 1980 they produced a bag house waste which was classified as hazardous

Appendix A is intended to assist the inspector and enforcement official in determining whether the facility is generating F-solvent wastes, if such wastes were not identified by the facility previously. If you are concerned that F-solvent wastes may be misclassified or mislabeled, turn to Appendix A-1. To assist in identfying potentially

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

misclassified F-solvents, Appendix A-2 presents a list of corresponding P and U wastes. Note concerns below: _____

2. Dioxin wastes

   a. Does the handler report the generation of the following wastes? (The following industries may generate listed dioxin wastes: organic chemicals, pesticide or formulator.)

      (i) F020 - F023, F026 - F027 ___Yes ___No
      (ii) F028 ___Yes ___No

[F-solvent BDAT standards are presented as Appendix B]

3. California Waste Identification

   a. Does the facility handle any of the following wastes?

      (i) D002 ___Yes ___No
      (ii) D004 - D011 ___Yes ___No

   b. Does the generator handle any hazardous wastes characterized by high concentrations of halogenated organic constituents (HOCs), metals, or cyanides? ___Yes ___No

[California waste standards are presented as Appendix C]

   c. Is the generator handling any of the F, K, P, or U wastes subject to the "soft hammer" that may qualify as California wastes due to HOC, metals, or cyanide content? See Appendix D for a listing of California constituents likely to be found by waste code. ___Yes ___No

   d. Has the generator conducted the paint filter test (Method 9095) [§268.32(i)]?

      ___Yes ___No*

   e. Has the generator conducted any testing of these hazardous wastes to determine whether the concentrations qualify the hazardous wastes as California wastes? ___Yes ___No

      If no, has the generator retained records documenting his "applied knowledge" that the hazardous waste is not a California waste?

      ___Yes ___No

*/ A potential violation is indicated

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

If "no" is answered to both parts of this question, a violation is indicated. [§268.7(a)]

Describe the nature of the records:

_____

f. Source of the above: Form 8700-12 ____; Part A ____; Part B ____; Biennial/Annual Report ____; other (specify) ____.

4. First Third Waste Identification

a. Does the generator handle any of the wastes listed as First Third Wastes in §268.10? See Appendix E for listing. List First Third Wastes handled by the generator here:

_____
_____
_____

b. Does the generator handle any soft-hammer wastes (Appendices D-1, D-2, and F)? If so, list those wastes:

_____
_____

c. Are any of the soft-hammered wastes California wastes (see Appendix G)? ___Yes ___No

If yes, the wastes must meet BDAT standards prior to disposal.

d. Has the Regional Administrator received demonstrations/certifications for all soft hammered wastes to be land disposed [§268.8(a)(2)]? ___Yes ___No*

e. Source of the above: Form 8700-12 ____; Part A ____; Part B ____; Biennial/Annual Report ____; other (specify) ____.

B. <u>BDAT Treatability Group - Treatment Standards Identification</u>

1. Does the generator mix restricted wastes with different treatment standards for constituents of concern? ___Yes ___No

2. If yes, did the generator select the most stringent treatment standard for the constituent of concern [§268.41(b)]? ___Yes ___No*

*/ A potential violation is indicated

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

3. F Solvents - -

   a. Did the generator correctly determine the appropriate treatability group [§268.41] of the waste (e.g., wastewaters containing solvents, nonwastewater (i.e., < 1% TOC), pharmaceutical wastewaters containing spent methylene chloride, all other spent solvent wastes)?

   ___Yes ___No*

4. California Wastes

   a. Did the generator correctly determine the distinction between liquid hazardous wastes and non-liquid hazardous wastes that contain HOCs in concentrations greater than 1,000 mg/kg [§268.32(h)]?

   ___Yes ___No*

5. First Third Wastes

   a. Did the generator ascertain whether restricted wastes were appropriately assigned wastewater or nonwastewater designations (nonwastewaters are > 1% TOC and > 1% suspended solids) [§268.7(a)]?

   ___Yes ___No*

   b. Does the facility handle K061 wastes?

   ___Yes ___No

   If yes, were nonwastewaters appropriately classified in either the high or low zinc subcategories (≥15% Zn) [§268.7(a)] [§268.41(a)]?

   ___Yes ___No*

   c. Does the facility handle K101 or K102 wastes?

   ___Yes ___No

   If yes, were nonwastewaters appropriately classified in either the high or low arsenic subcategories [§268.7(a)] [§268.41(a)]?

   ___Yes ___No*

   d. Is there any reason to believe that the generator may have diluted the waste to change the applicable treatment standard (based on review of process operation, pipe routing, point of sampling)?

   ___Yes ___No

*/ A potential violation is indicated

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

C. Waste Analysis -

1. Did the generator determine whether the waste exceeds treatment standards based on §268.7(a):

a. Knowledge of wastes ___Yes ___No

(i) List wastes for which "applied knowledge" was used:

_____
_____

b. TCLP ___Yes ___No

(i) List wastes for which "TCLP" was used:

_____
_____

(ii) Appendix D lists wastes for which treatment standards are expressed as concentrations in waste extract. Were any wastes handled by the generator subject to waste extract standards not tested using the TCLP? ___Yes ___No

If yes, list: _____
_____

c. Total waste analysis ___Yes ___No

d. If files were retained, describe content and basis of applied knowledge determination:

_____
_____
_____

If determined by TCLP or total constituent analysis, provide date of last test, frequency of testing, and attach test results.

Dates/frequency: _____

Note which wastes were subjected to which tests:

_____
_____
_____

Note any problems (e.g., inadequate analysis, variation of waste composition/generation for applied knowledge) _____

1/ A potential violation is indicated

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

e. Were wastes tested using TCLP or total constituent analysis when a process or wastestream changed [§264.13(a)(3)(i) or §265.13(a)(3)(i)]?
___Yes ___No*

2. Did the restricted wastes exceed applicable treatability group treatment standards upon generation [§268.7(a)(1)]?

List those that exceeded standards: _____

_____

List those that did not exceed standards: _____

_____

3. Did the generator dilute the waste or the treatment residual so as to substitute for adequate treatment [§268.3] ___Yes* ___No

D. Management

1. Onsite management

a. Were restricted wastes managed onsite?
___Yes ___No

If no, go to "2".

b. For wastes that exceed treatment standards, was treatment in regulated units, storage for greater than 90 days, and/or disposal conducted? ___Yes ___No

If yes, TSDF checklist must be completed.

2. Offsite Management

a. If restricted wastes exceed treatment standards, did generator provide treatment facility notification with each shipment? [268.7(a)(1)]:

(i) EPA Hazardous Waste Number? ___Yes ___No*

(ii) Corresponding treatment standard?
___Yes ___No*

(iii) Manifest number? ___Yes ___No*

(iv) Waste analysis, if available?
___Yes ___No

*/ A potential violation is indicated

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

Identify offsite treatment facilities _____

b. If restricted wastes do not exceed treatment standards, did generator provide the disposal facility with a notice and certification including:

(i) EPA hazardous waste I.D. number?
___Yes ___No*

(ii) Corresponding treatment standard?
___Yes ___No*

(iii) Manifest number ___Yes ___No*

(iii) Certification regarding waste and that it meets treatment standards? ___Yes ___No*

Identify land disposal facilities receiving the BDAT certified wastes _____

c. If the generator's waste is subject to a §268.5 case by case exemption, a §268.6 "no migration" exemption, or a nationwide variance (see Appendix E for restricted wastes subject to nationwide variances), does the generator's records indicate that he or she submits with each waste shipment [§268.7(a)(3)]:

(i) EPA Hazardous Waste Number?
___Yes ___No*

(ii) Corresponding Treatment Standards?
___Yes ___No*

(iii) All applicable prohibitions?
___Yes ___No*

(iv) The manifest number? ___Yes ___No*

(v) The date the wastes are subject to prohibitions? ___Yes ___No*

(vi) Does generator keep records of all notifications/certifications send to offsite facilities? ___Yes ___No*

*/ A potential violation is indicated

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

List all prohibited wastes for which records are not provided per above [§268.7(a)(b):

_____

_____

Identify TSDFs receiving any prohibited wastes subject to any exemptions and variances:

_____

_____

d. If handler generates a "soft hammer" waste, does the generator send with each "soft hammer" waste shipment to a TSDF and retain copies of, a notice that includes [268.7(a)(4)]:

The EPA Hazardous Waste Number? ___Yes ___No*

Applicable prohibitions? ___Yes ___No*

The manifest number? ___Yes ___No*

Waste analysis data, where available? ___Yes ___No

(i) Do the generator's records indicate that any soft-hammer wastes are destined for disposed in a landfill or surface impoundment [§268.33(f)]? ___Yes ___No

If yes, list facility of destination and waste of concern [§268.8(a)(2)]

_____

_____

(ii) Has the generator submitted demonstrations and certifications for each "soft-hammered" waste destined to be disposed in landfill or surface impoundment to the Regional Administrator prior to the shipment of waste to the TSDF [§268.7(a)(2)]? ___Yes ___No*

(iii) Has the generator retained a copy of the demonstration on site [§268.8(a)(3)-(a)(4)]? ___Yes ___No*

(iv) Has the generator retained copies of all §268.8 certifications sent to the TSDF [§268.7(a)(6)] ___Yes ___No*

* A potential violation is indicated

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

(v) Did the generator submit the demonstration to the receiving facility upon the intial shipment of the waste [§268.8(a)(3)-(a)(4)]? ___Yes ___No*

(vi) If the Regional Administrator has invalidated the certification, has the generator ceased shipment of the waste and do records indicate that the generator has informed all receiving facilities of the invalidation [§268.8(b)(3)]?
___Yes ___No*

E. Storage of Prohibited Waste

1. Were prohibited wastes stored for greater than 90 days? ___Yes ___No

If yes, was facility operating as a TSD under interim status or final permit [§262.34(b)]?
___Yes ___No*

If yes, TSDF Checklist must be completed.

F. Treatment Using RCRA 264/265 Exempt Units or Processes (i.e., boilers, furnaces, distillation units, wastewater treatment tanks, etc.)

1. Were treatment residuals generated from RCRA 264/265 exempt units or processes? ___Yes ___No

If yes, list type of treatment unit and processes
_____
_____
_____

If yes, TSDF checklist must be completed.

*/ A potential violation is indicated

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

TRANSPORTER CHECKLIST

I. FACILITY IDENTIFICATION

A. Site Name _____ B. Street (or other identifier) _____

C. City _____ D. State _____ E. Zip Code _____ F. County Name _____

G. Description of Operations _____

H. EPA ID # _____

I. Facility Contact (Name and Phone Number) _____

II. TRANSPORTER REQUIREMENTS

Comments

A. Does the transporter store restricted wastes for greater than 10 days [268.50(a)(3)]? ___Yes ___No

1. If yes, does transporter have 264/265 status as storage facility (e.g., has submitted part A?) ___Yes ___No*

B. Describe inventory controls to ensure that restricted wastes are not stored for greater than 10 days.

_____
_____
_____

C. Does the transporter mix restricted wastes prior to transport to a TSDF? ___Yes ___No

1. If yes, list the restricted wastes that have been mixed: _____
_____
_____

List instances where soft hammer wastes have been mixed with restricted wastes: _____
_____
_____

* A potential violation is indicated

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

D. Obtain a list of generators for whom restricted wastes have been transported.

E. Obtain a list of treatment, storage and disposal facilities which frequently receive restricted wastes.

Facility Name: _____
ID Number: _____
Inspector: _____
Date: _____

DRAFT

RCRA LAND RESTRICTION
TREATMENT, STORAGE, AND DISPOSAL REQUIREMENTS CHECKLIST

I. FACILITY IDENTIFICATION

A. Facility Name _____ B. Street (or other identifier) _____

C. City _____ D. State _____ E. Zip Code _____ F. County Name _____

G. Nature of business; identification of industrial and waste management operations; relevant SIC codes _____

H. EPA ID # _____

I. Facility Contact (Name and Phone Number) _____

II.A. For onsite facilities, complete the generator checklist **Comments**

B. General Facility Standards

1. General

a. Does the facility conduct waste analysis (total and TCLP) on-site or through a commercial laboratory? _____

b. Describe the frequency of sampling conducted by the facility. _____

2. Treatment Facilities

a. Has the treatment facility revised its waste analysis plan [§268.7(b)] to meet the requirements of §264.13 or §265.13? ___Yes ___No*

(i) Is the treatment facility conducting TCLP tests for wastes specified in Appendix A (i.e., those prohibited wastes subject to treatment standards expressed as waste extracts) per 286.7(b)(i)? ___Yes ___No*

* A potential violation is indicated

Facility Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

(ii) Is the treatment facility using the paint filter test for the California waste residues [§268.7(b)(ii)]? ___Yes ___No

(iii) Is the treatment facility testing the pH of California waste residues? ___Yes ___No

(iv) Is the treatment facility testing concentrations (not extracts) in the waste residues for prohibited wastes with established treatment standards expressed as waste concentrations [§268.7(b)(3)]? ___Yes ___No*

(v) Is the treatment facility testing extracts of the waste residues for prohibited wastes having established treatment standards expressed as extract concentrations [§268.7(b)(1)] ___Yes ___No*

3. Land Disposal Facilities

a. Has the facility retained all notices and certifications from generators, storage and treatment facilities [268.7(c)(1)]? ___Yes ___No*

b. Are wastes and waste residues tested for compliance with applicable treatment standards and prohibitions [§268.7(c)(2)]? ___Yes ___No*

c. Are they being tested in conformance with the frequency specified in the waste analysis plan [§268.7(c)(3)] ___Yes ___No*

d. Are the appropriate tests (TCLP vs. total waste) being used [§268.7(c)(2)]? ___Yes ___No*

C. Storage (§268.50)

1. a. Are restricted wastes exceeding treatment standards stored (excepting wastes subject to no migration exemptions, nationwide variances, case by case extensions, soft-hammered wastes)?

___Yes ___No

If no, go to "c."

b. Are all containers clearly marked to identify content and date(s) entering storage [§268.50(a)(2)]? ___Yes ___No*

* A potential violation is indicated

Facility Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

c. Do operating records track the location, quantity and dates that wastes exceeding treatment standards entered and were removed from storage [§264.73 or §265.73]? ___Yes ___No*

d. Do operating records agree with container labeling? [§268.50(a)(2) or §264.73 or §265.73] ___Yes ___No*

e. Is waste exceeding treatment standards stored for less than 1 year? ___Yes ___No

If yes, can you show that such accumulation is not necessary to facilitate proper recovery, treatment, or disposal? ___Yes ___No

If yes, state how: _____

f. Was/is waste exceeding treatment standards stored for more than one year? ___Yes ___No

If yes, state the owner/operator's proof that such storage was solely for the purposes of accumulation of such quantities of hazardous waste as are necessary to facilitate proper recovery, treatment, or disposal: _____

_____

D. Treatment in Surface Impoundments (§268.4)

1. Are prohibited wastes placed in surface impoundments for treatment? ___Yes ___No

If no, go to E.

2. Is the only recognizable "treatment" occurring in the impoundment either evaporation, dilution, or both [§268.4(b) and §268.3]? ___Yes* ___No

3. Did the facility submit a certification of compliance with minimum technology and ground water monitoring requirements, and the waste analysis plan to the Agency [§268.4(a)(4)]? ___Yes ___No*

4. Have the minimum technology requirements been met [§268.4(a)(3)]? ___Yes ___No*

a. If the minimum technology requirements have not been met, has a waiver been granted for that unit(s) [§268.4(a)(3)(iii)]? ___Yes ___No*

* A potential violation is indicated

Facility Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

5. Have the Subpart F ground-water monitoring requirements been met [§268.4(a)(3)]? ___Yes ___No*

6. Have representative samples of the sludge and supernatant from the surface impoundment been tested separately, acceptably, and in accordance with the sampling frequency and analysis specified in the waste analysis plan and are the results in the operating record for all wastes with treatment standards or prohibition levels [§268.4(a)(2)]? ___Yes ___No*

7. Did the hazardous waste residue (sludge or liquid) exceed the treatment standards or prohibition levels? ___Yes ___No

8. Provide the frequency of analyses conducted on treatment residues: _____

_____

Does the frequency meet the requirements of the waste analysis plan [§264.13 or §265.13]? ___Yes ___No*

9. Does the operating record adequately document the results of waste analyses performed [§264.13 or §265.13]? ___Yes ___No*

10. Have the hazardous waste residues that exceed the treatment standards and/or prohibition levels been removed adequately and on an annual basis [§268.4(a)(2)(ii)]? ___Yes ___No*

    a. If answer to 6 is no and supernatant is determined to exceed treatment concentrations, is annual throughput greater than impoundment volume? (note: sludge exceeding treatment standards must be removed) ___Yes ___No

11. If residues were removed annually, were adequate precautions taken to protect liners and do records indicate that inspections of liner integrity are performed? ___Yes ___No

12. When removed, were residues of restricted wastes managed subsequently in another surface impoundment? ___Yes ___No

    a. Were these residues subject to a valid 268.8 certification? ___Yes ___No*

13. When removed, were wastes treated prior to disposal? ___Yes ___No

    a. If yes, are waste residues treated on or offsite? ___Onsite ___Offsite

Facility Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

b. Identify management method _____

_____

_____

E. Treatment

1. Does the facility operate treatment units (regulated or exempt) (not including surface impoundments)?

___Yes ___No

If no, go to "F."

2. Describe the treatment processes, including exempt processes.

_____

_____

_____

3. Does the facility treat soft hammered wastes?

___Yes ___No

a. If yes, is treatment occurring as described in the generator's certification/demonstration [§268.8(c)(1)]?

___Yes ___No*

b. Did the treatment facility certify he treated the soft hammered waste as per the generator's demonstration and maintain copies of all certifications [268.8(c)(1)]?

___Yes ___No*

c. Did the treatment facility send a copy of the generator's demonstration and certification to the receiving treatment, recovery, or storage facility [§268.8(c)(2)]?

___Yes ___No*

4. Does the facility, in accordance with an acceptable waste analysis plan, verify that the residue extract from all treatment processes for the restricted wastes are less than treatment standards or prohibition levels [§268.7(c)(2)]?

___Yes ___No*

5. Describe frequency of testing of treatment residuals.

_____

_____

_____

6. Was dilution used as a substitute for treatment [§268.3]?

___Yes* ___No

* A potential violation is indicated

Facility Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

7. Are all notifications, certifications, and results of waste analyses kept in the operating record [§264.73(b) or §265.73(b)]? ___Yes ___No*

8. Are notices provided to land disposal facilities complete with Waste Number, treatment standard, manifest number, and analytical data (where available) submitted for each shipment of waste or treatment residual that meets the treatment standard stating that waste has been treated to treatment performance standards [§268.7(b)(4) and (5) and §268.8(c)(1)]? ___Yes ___No*

9. If the waste or treatment residue will be further managed at another storage or treatment facility, has the treatment facility complied with the 268.7(a) notification and certification requirements applicable to generators [§268.7(b)(6)]? ___Yes ___No*

F. Land Disposal

1. Are restricted and/or prohibited wastes placed in land disposal units (landfills, surface impoundments** waste piles, wells, land treatment units, salt domes/beds, mines/caves concrete vault or bunker?) ___Yes ___No

2. Did facility have the notice and certification from generators/treaters in its operating record that all prohibited wastes disposed met standards for generation or treatment [§§268.7(c)(1); 268.7(a),(b)]? ___Yes ___No*

3. Did the facility obtain waste analysis data through testing of the waste to determine that the wastes are in compliance with the applicable treatment standards [§268.7(c)(2)] ___Yes ___No*

   If yes, was the frequency of testing as required by the facility's waste analysis plan [§264.13 or §265.13]? ___Yes ___No*

4. Were prohibited wastes exceeding the applicable treatment standards or prohibition levels placed in land disposal units [268.30] excluding national capacity variances [268.30(a)]? ___Yes ___No

   If yes, did facility have an approved waiver based on no migration petition [268.6] or approved case-by-case or capacity extension [268.5] or treatment standard variance [268.44][§268.30(d), §268.31(d), §268.32(g), §268.33(e)]? ___Yes ___No*

* A potential violation is indicated
**Do not include SIs addressed under Section "D" of this checklist.

Facility Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

5. Were restricted wastes subject to a national capacity variance or case-by-case extension disposed?
___Yes ___No

   If yes, have the minimum technology requirements been met for all units receiving such wastes [§268.30(c), §268.31(c), §268.32(d), §268.33(d)]?
___Yes ___No*

6. Were adequate records of disposal maintained [§264.73(b) or §265.73(b)]?
___Yes ___No*

7. If wastes subject to a nationwide variance, case-by-case extensions [268.5], or no migration petitions [268.6] were disposed, does facility have generator's notices [268.7(a)(3)] and records of disposal? [§264.73(b) or §265.73(b)]
___Yes ___No*

8. If the facility has a case-by-case extension, can the inspector verify that the facility is making progress as described in progress reports?
___Yes ___No

9. If the owner/operator is disposing of a soft-hammer waste, is he maintaining the generators and treaters (if applicable) notices and certifications [§268.8(a)(2)-(a)(4)]?
___Yes ___No*

   a. Is the facility disposing of any soft hammer wastes that may be classified as California wastes?
___Yes ___No

   b. Did the facility seek to verify whether these wastes may be subject to all restrictions, e.g., California ban?
___Yes ___No

* A potential violation is indicated

LIST OF APPENDICES

APPENDIX A-1

SOLVENT IDENTIFICATION CHECKLIST

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

APPENDIX A-1

SOLVENT IDENTIFICATION CHECKLIST

1. Does the handler generate any of the following F001 constituents (i.e., spent halogenated solvents used in degreasing) as a result of being used in the process either in pure form or commercial grade?

tetrachloroethylene	___Yes	___No
trichloroethylene	___Yes	___No
methylene chloride	___Yes	___No
1,1,1-trichloroethane	___Yes	___No
carbon tetrachloride	___Yes	___No
chlorinated fluorocarbons	___Yes	___No

2. Does the handler generate any of the following F002 constituents (i.e., spent halogenated solvents) as a resul* of being used in the process either in pure form or commercial grade?

tetrachloroethylene	___Yes	___No
trichloroethylene	___Yes	___No
methylene chloride	___Yes	___No
1,1,1-trichloroethane	___Yes	___No
chlorobenzene	___Yes	___No
trichlorofluoromethane	___Yes	___No
1,1,2-trichloro-1,2,2-trifluoroethane	___Yes	___No
ortho-dichlorobenzene	___Yes	___No
1,1,2-trichloroethane	___Yes	___No

3. Does the handler generate any of the following F003 constituents (i.e., spent nonhalogenated sovlents) as as result of being used in the process either inpure form or commercial grade?

xylene	___Yes	___No
acetone	___Yes	___No
ethyl acetate	___Yes	___No
ethyl ether	___Yes	___No
methyl isobutyl ketone	___Yes	___No
n-butyl alcohol	___Yes	___No
cyclohexane	___Yes	___No
methanol	___Yes	___No

If the F003 wastestream has been mixed with a solid waste, does the resultant mixture exhibit the ignitability characteristic? ___Yes ___No

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

4. Does the handler generate any of the following F004 constituents (i.e., spent nonhalogenated solvents) as a result of being used in the process either in pure form or commercial grade?

cresols and cresylic acid	___Yes	___No
nitrobenzene	___Yes	___No

5. Does the handler generate any of the following F005 constituents (i.e., spent nonhalogenated solvents) as a result of being used in the process either in pure form or commercial grade?

toluene	___Yes	___No
methyl ethyl ketone	___Yes	___No
carbon disulfide	___Yes	___No
isobutanol	___Yes	___No
pyridine	___Yes	___No

6. Are any of the constituents listed in the questions 1-5 used for their "solvent" properties -- that is to solubilize (dissolve) or mobilize other constituents? The following questions will be helpful in confirming this determination.

(a) Chemical carriers? ___Yes ___No

If the answer is yes, list the constituents.

_____

_____

(b) Degreasing/cleaning? ___Yes ___No

If the answer is yes, list the constituents.

_____

_____

(c) Diluents? ___Yes ___No

If the answer is yes, list the constituents.

_____

_____

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

(d) Extractants? ___Yes ___No

If the answer is yes, list the constituents.

_____

_____

(e) Fabric scouring? ___Yes ___No

If the answer is yes, list the constituents.

_____

_____

(f) Reaction and synthesis media? ___Yes ___No

If the answer is yes, list the constituents.

_____

_____

If questions 1-6 led the inspector to believe that the waste may be an F-solvent, answer question 7.

7. Are any of the above constituents spent solvents? A solvent is considered "spent" when it has been used and is no longer used without being regenerated, reclaimed, or otherwise reprocessed. ___Yes ___No

8. If the waste is a mixture of constituents as determined in questions 1-6, answer this to determine whether it is a "solvent mixture" covered by the listings.

   If the wastestream is mixed and contains more than one of the F001-F005 constituents listed in questions 1-5 (by volume), give the concentration before use of all the constituents in the solvent mixture/blend. For example:

   5% methylene chloride
   2% trichloroethylene
   25% 1,1,1-trichloroethane
   68% mineral spirits
   100%

   If the wastestream is a mixture containing a total of 10% or more by volume) of one or more of the F001, F002, F004, or F005 listed constituents before use, it is a listed waste.

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

With respect to the F003 solvent wastes, if, before use, the wastestream is mixed and contains only F003 constituents, it is a listed waste. For example:

33% acetone
16% methanol
51% ethyl ether
100%

If in light of the above, the handler appears to be generating F001-F005 hazardous wastes, refer this facility to the enforcement official for follow-up actions verifying the use of solvents at the facility.

APPENDIX A-2

POTENTIAL F-SOLVENT WASTE MISCLASSIFICATION

APPENDIX A-2. POTENTIAL F-SOLVENT WASTE MISCLASSIFICATIONS

F-SOLVENT WASTE CONSTITUENT*	CORRESPONDING 'P' CODES "acutely hazardous"	CORRESPONDING 'U' CODES** "toxic"
F001		
Tetrachloroethylene		U210
Trichloroethylene		U228
Methylene chloride		U080
1,1,1-trichloroethane		U226
Carbon tetrachloride		U211
Chlorinated fluorocarbons		
F002		
Tetrachloroethylene		U210
Methylene Chloride		U080
Trichloroethylene		U228
1,1,1-trichloroethane		U226
Chlorobenzene		U037
1,1,2-trichloro-1,2,2-trifluoroethane		
Ortho-dichlorobenzene		U070
Trichlorofluoromethane		
F003		
Xylene		U239 (I)
Acetone		U002 (I)
Ethyl acetate		U112 (I)
Ethyl benzene		
Ethyl ether		U117 (I)
Methyl isobutyl ketone		U161 (I)
n-butyl alcohol		U031 (I)
Cyclohexanone		U057 (I)
Methanol		U154 (I)
F004		
Cresols and cresylic acid		U052
Nitrobenzene		U169 (I)
F005		
Toluene		U220
Methyl ethyl ketone		U159 (I)
Carbon disulfide	P022	
Isobutanol		
Pyridine		U196

*Noninclusive of the following F-solvent constituents: benzene, 2-ethoxyethanol, 2-nitropropane, and 1,1,2 trichloroethane

**An 'I' indicates hazardous property of ignitability

APPENDIX B

TREATMENT STANDARDS FOR F-SOLVENTS

APPENDIX B

TREATMENT STANDARDS FOR F-SOLVENTS

F001-F005 SPENT SOLVENTS	CONCENTRATION (IN MG/L) WASTEWATERS	OTHER WASTES
Acetone	0.05	0.59
N-butyl alcohol	5.0	5.0
Carbon disulfide	1.05	4.81
Carbon tetrachloride	.05	.96
Chlorobenzene	.15	.05
Cresols (and cresylic acid)	2.82	.75
Cyclohexanone	.125	.75
1,2-dichlorobenzene	.65	.125
Ethyl acetate	.05	.75
Ethyl benzene	.05	.053
Ethyl ether	.05	.75
Isobutanol	5.0	5.0
Methanol	.25	.75
Methylene chloride	.20	.96
Methylene chloride (from the pharmaceutical industry)	.44	.96
Methyl ethyl ketone	0.05	0.75
Methyl isobutyl ketone	0.05	0.33
Nitrobenzene	0.66	0.125
Pyridine	1.12	0.33
Tetrachloroethylene	0.079	0.05
Toluene	1.12	0.33
1,1,1-Trichloroethane	1.05	0.41
1,2,2-Trichloro 1,2,2-trifluoroethane	1.05	0.96
Trichloroethylene	0.062	0.091
Trichlorofluoromethane	0.05	0.96
Xylene	0.05	0.15

APPENDIX C

CALIFORNIA LIST RESTRICTIONS

APPENDIX C

CALIFORNIA LIST RESTRICTIONS

(A) Liquid hazardous wastes, including free liquids associated with any solid or sludge, containing free cyanides at concentrations greater than or equal to 1,000 mg/l.

(B) Liquids hazardous wastes, including free liquids associated with any solid or sludge, containing the following metals (or elements) or compounds of these metals (or elements) at concentrations greater than or equal to those specified below:

Arsenic (as As)	500 mg/l
Cadmium (as Cd)	100 mg/l
Chromium (as Cr VI)	500 mg/l
Lead (as Pb)	500 mg/l
Mercury (as Hg)	20 mg/l
Nickel (as Ni)	134 mg/l
Selenium (as Se)	100 mg/l
Thallium (as Tl)	130 mg/l

(C) Liquid hazardous wastes having a pH less than or equal to 2.0.

(D) Liquid hazardous wastes containing PCBs at concentrations greater than or equal to 50 ppm. [must be incinerated]

(E) Hazardous wastes containing HOCs in total concentration greater than or equal to 1,000 mg/kg. [must be incinerated]

APPENDIX D-1

SOFT HAMMERED RESTRICTED F AND K WASTES IN FIRST THIRD

APPENDIX D-1

SOFT HAMMERED RESTRICTED F AND K WASTES IN FIRST THIRD

Waste Code	Soft Hammered	Treatability Group
F006	No	
*F007	Yes	WW/NWW
*F008	Yes	WW/NWW
*F009	Yes	WW/NWW
*F019	Yes	WW/NWW
K001	No	
K004	Yes	WW
K008	Yes	WW
K011	Yes	WW/NWW
K013	Yes	WW/NWW
K014	Yes	WW/NWW
K015	No	
K016	No	
K017	Yes	WW/NWW
K018	No	
K019	No	
K020	No	
K021	Yes	WW
K022	Yes	WW
K024	No	
K025	Yes (6/8/89)	WW
K030	No	
*K031	Yes	WW/NWW
*K035	Yes	WW/NWW
*K036	Yes	WW/NWW
K037	No	
K044	No	
K045	No	
K046	Yes	WW/Reactive NWW
K047	No	
K048	No	
K049	No	
K050	No	
K051	No	

WW - Wastewater treatability group
NWW - Nonwastewater treatability group
* - Waste not addressed in final rule, and therefore soft hammered

APPENDIX D-1

SOFT HAMMERED RESTRICTED F AND K WASTES IN FIRST THIRD (Continued)

Waste Code	Soft Hammered	Treatability Group
K052	No	
K060	Yes	WW
K061	Yes	WW
K062	No	
K069	Yes	WW/NWW, $CaSO_4$ Subcat.
K071	No	
K073	Yes	WW/NWW
K083	Yes	WW/NWW, Ash >0.01%
*K084	Yes	WW/NWW
*K085	Yes	WW/NWW
K086	Yes	WW/NWW - Solvent sludges, caustic/water sludges subcategory
K087	No	
K099	No	
K100	Yes (5/6/90)	WW
K101	Yes	NWW, High As
K102	Yes	NWW, High As
K103	No	
K104	No	
K106	Yes	WW/NWW

WW - Wastewater treatability group
NWW - Nonwastewater treatability group
* - Waste not addressed in final rule, and therefore soft hammered

APPENDIX D-2

DESCRIPTIONS OF SOFT HAMMERED RESTRICTED F AND K WASTES IN FIRST THIRD

APPENDIX D-2

DESCRIPTIONS OF SOFT HAMMERED F AND K WASTES IN FIRST THIRD

§261.31 Wastes

F007--Spent cyanide plating bath solutions from electroplating operations.
F008--Plating bath sludges from the bottom of plating baths from electroplating operations where cyanides are used in the process.
F009--Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process.
F019--Wastewater treatment sludges from the chemical conversion coating of aluminum.

§261.32 Wastes

K004--Wastewater treatment sludge from the production of zinc yellow pigments.
K008--Over residue from the production of chrome oxide green pigments.
K011--Bottom stream from the wastewater stripper in the production of acrylonitrile.
K013--Bottom stream from the acetonitrile column in the production of acrylonitrile.
K014--Bottoms from the acetonitrile purification column in the production of acrylonitrile.
K017--Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.
K021--Aqueous spent antimony catalyst waste from fluoromethanes production.
K022--Distillation bottom tars from the production of phenol/acetone from cumane.
K031--By-products salts generated in the production of trichloroethylene and perchloroethylene.
K035--Wastewater treatment sludges generated in the production of creosote.
K036--Still bottoms from toluene reclamation distillation in the production of disulfoton.

§261.32 Wastes (Continued)

K046--Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds.
K060--Ammonia still lime sludge from coking operations.
K061--Emission control dust/sludge from the primary production of steel in electric furnaces.
K069--Emission control dust/sludge from secondary lead smelting.
K073--Chlorinated cydrocarbon waste from the purification step of the deaphragm cell process using graphite anodes.
K083--Distillation bottoms from aniline production.
K084--Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organoarsenic compounds.
K085--Distillation of fractionation column bottoms from the production of chlorobenzenes.
K086--Solvent washes and sludges; caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead.
K101--Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compunds.
K102--Residue from theuse of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.
K106--Wastevater treatment sludge from the mercury cell process in chlorine production.

APPENDIX E

FIRST THIRD WASTES FOR WHICH TREATMENT STANDARDS WERE SET

APPENDIX E

FIRST THIRD WASTES FOR WHICH TREATMENT STANDARDS WERE SET

CONSTITUENT CONCENTRATIONS IN WASTE EXTRACT

Waste	Concentration
F006 nonwastewaters	
BDAT = stabilization using cement kiln dust as a binding agent	
Cadmium	0.066 mg/l
Chromium (Total)	5.2 mg/l
Lead	.51 mg/l
Nickel	.32 mg/l
Silver	.072 mg/l
Cyanides (Total)	Reserved
K001 nonwastewaters	
BDAT = rotary kiln incineration	
Lead	0.51 mg/l
K022 nonwastewaters	
BDAT = stabilization process	
Chromium (Total)	5.2 mg/l
Nickel	0.32 mg/l
K046 nonwastewaters (Nonreactive Subcategory)	
BDAT = stabilization process	
Lead	0.18 mg/l

CONSTITUENT CONCENTRATIONS IN WASTE EXTRACT (Continued)

Waste	Concentration
K048, K049, K050, K051 and K052 nonwastewaters	
BDAT = solvent extraction, and incineration	
Arsenic	0.004 mg/l
Chromium (Total)	1.7 mg/l
Nickel	.048 mg/l
Selenium	.025 mg/l
K061 nonwastewaters (Low Zinc Subcategory--less than 15% total zinc)	
BDAT = stabilization process	
Cadmium	0.14 mg/l
Chromium (total)	5.2 mg/l
Lead	.24 mg/l
Nickel	.32 mg/l
K061 nonwastewaters (High Zinc Subcategory--15% or greater total zinc): effective until 8/8/90	
BDAT = stabilization process	
Cadmium	0.14 mg/l
Chromium (Total)	5.2 mg/l
Lead	.24 mg/l
Nickel	.32 mg/l
K062 nonwastewaters	
BDAT = chrome reduction, precipitation, settling, filtration, dewatering of solids	
Chromium (Total)	0.094 mg/l
Lead	.37 mg/l

CONSTITUENT CONCENTRATIONS IN WASTE EXTRACT (Continued)

Waste	Concentration
K071 nonwastewaters	
BDAT = solubilization of mercury, precipitation of mercury sulfide sludge, filtration, dewatering	
Mercury	0.025 mg/l
K086 nonwastewaters (Solvent Washes Subcategory)	
BDAT = chromium reduction, lime precipitation, filtration	
Chromium (Total)	0.094 mg/l
Lead	.37 mg/l
K087 nonwastewaters	
BDAT = lime precipitation and filtration	
Lead	0.51 mg/l
K101 and K102 nonwastewaters (Low Arsenic Subcategory--less than 1% Total Arsenic)	
BDAT = chemical precipitation and filtration	
Cadmium	0.066 mg/l
Chromium (Total	5.2 mg/l
Lead	.51 mg/l
Nickel	.32 mg/l

CONSTITUENT CONCENTRATIONS IN WASTES

Waste	Concentration
F001, F002, F003, F004 and F005 wastewaters (Pharmaceutical industry)	
Methylene chloride	0.44 mg/l

CONSTITUENT CONCENTRATIONS IN WASTES (Continued)

Waste	Concentration
F006 nonwastewaters	
Cyanides (Total)	Reserved
K001 nonwastewaters	
BDAT = rotary kiln incineration	
Naphthalene	8.0 mg/kg
Pentachlorophenol	37 mg/kg
Phenanthrene	8.0 mg/kg
Pyrene	7.3 mg/kg
Toluene	.14 mg/kg
Xylenes	.16 mg/kg
K001 wastewaters	
BDAT = rotary kiln incineration for organics, and chemical precipitation for lead	
Naphthalene	0.15 mg/l
Pentachlorophenol	.88 mg/l
Phenanthrene	.15 mg/l
Pyrene	.14 mg/l
Toluene	.14 mg/l
Xylenes	.16 mg/l
Lead	.037 mg/l
K015 wastewaters	
BDAT = liquid injection incineration for organics, and chemicl precipitation for lead	
Anthrancene	1.0 mg/l
Benzal chloride	.28 mg/l
Benzo (b and/or k) fluoranthene	.29 mg/l
Phenanthrene	.27 mg/l
Toluene	.15 mg/l
Chromium (Total)	.32 mg/l
Nickel	.44 mg/l

CONSTITUENT CONCENTRATIONS
IN WASTES (Continued)

Waste	Concentration	
K016 nonwastevaters		
BDAT = rotary kiln incineration		
Hexachlorobenzene	28	mg/kg
Hexachlorobutadiene	5.6	mg/kg
Hexachlorocyclopentadiene	5.6	mg/kg
Hexachloroethane	28	mg/kg
Tetrachloroethane	6.0	mg/kg
K016 wastewaters		
BDAT = rotary kiln incineration		
Hexachlorobenzne	0.033	mg/l
Hexachlorobutadiene	.006	mg/l
Hexachlorocyclopentadiene	.007	mg/l
Hexachloroethane	.033	mg/l
Tetrachloroethane	.007	mg/l
K018 nonwastevaters		
BDAT = rotary kiln incineration		
Chloroethane	6.0	mg/kg
1,1-Dichloroethane	6.0	mg/kg
1,2-dichloroethane	6.0	mg/kg
Hexachlorobenzene	28	mg/kg
Hexachlorobutadiene	5.6	mg/kg
Hexachloroethane	28	mg/kg
Pentachloroethane	5.6	mg/kg
1,1,1-Trichloroethane	6.0	mg/kg
K018 wastewaters		
BDAT = rotary kiln incineration		
Chloroethane	0.007	mg/l
1,1-Dichloroethane	.007	mg/l
1,2-dichloroethane	.007	mg/l
Hexachlorobenzene	.007	mg/l
Hexachlorobutadiene	.033	mg/l
Hexachloroethane	.007	mg/l
Pentachloroethane	.007	mg/l
1,1,1-Trichloroethane	.007	mg/l

CONSTITUENT CONCENTRATIONS
IN WASTES (Continued)

Waste	Concentration	
K019 nonwastevaters		
BDAT = rotary kiln incineration		
Bis(2-chloroethyl)ether	5.6	mg/kg
Chlorobenzene	6.0	mg/kg
Chloroform	6.0	mg/kg
1,2-Dichloroethane	6.0	mg/kg
Hexachloroethane	26	mg/kg
Naphthalene	5.6	mg/kg
Phenanthrene	5.6	mg/kg
Tetrachloroethene	6.0	mg/kg
1,2,4-Trichlorobenzene	19	mg/kg
1,1,1-Trichloroethane	6.0	mg/kg
K019 nonwastevaters		
BDAT = rotary kiln incineration		
Bis(2-chloroethyl)ether	5.6	mg/kg
Chlorobenzene	6.0	mg/kg
Chloroform	6.0	mg/kg
1,2-Dichloroethane	6.0	mg/kg
Hexachloroethane	26	mg/kg
Naphthalene	5.6	mg/kg
Phenanthrene	5.6	mg/kg
Tetrachloroethene	6.0	mg/kg
1,2,4-Trichlorobenzene	19	mg/kg
1,1,1-Trichloroethane	6.0	mg/kg
K019 wastewaters		
BDAT = rotary kiln incineration		
Bis(2-chloroethyl)ether	0.007	mg/l
Chlorobenzene	.006	mg/l
Chloroform	.007	mg/l
p-Dichlorobenzene	.008	mg/l
1,2-Dichloroethane	.007	mg/l
Fluorene	.007	mg/l
Hexachloroethane	.033	mg/l
Naphthalene	.007	mg/l
Phenanthrene	.007	mg/l
1,2,4,5-Tetrachlorobenzene	.017	mg/l
Tetrachloroethene	.007	mg/l
1,2,4-Trichlorobenzene	.023	mg/l
1,1,1-Trichloroethane	.007	mg/l

CONSTITUENT CONCENTRATIONS
IN WASTES (Continued)

Waste	Concentration	
K020 nonwastewaters		
BDAT = rotary kiln incineration		
1,2-Dichloroethane	6.0	mg/kg
1,1,2,2-Tetrachloroethane	5.6	mg/kg
Tetrachloroethene	6.0	mg/kg
K020 wastewaters		
BDAT = rotary kiln incineration		
1,2-Dichloroethane	0.007	mg/l
1,1,2,2-Tetrachloroethane	.007	mg/l
Tetrachloroethene	.007	mg/l
K022 nonwastewaters		
BDAT = fuel substitution		
Acetophenone	19	mg/kg
Sum of Diphenylamine and Diphenylnitrosamine	13	mg/kg
Phenol	12	mg/kg
Toluene	0.034	mg/kg
K024 nonwastewaters		
BDAT = rotary kiln incineration		
Phthalic acid	28	mg/kg
K024 wastewaters		
BDAT = rotary kiln incineration		
Phthalic acid	0.54	mg/l

CONSTITUENT CONCENTRATIONS
IN WASTES (Continued)

Waste	Concentration	
K030 nonwastewaters		
BDAT = rotary kiln incineration		
Hexachlorobutadiene	5.6	mg/kg
Hexachloroethane	28	mg/kg
Hexachloropropene	19	mg/kg
Pentachlorobenzene	28	mg/kg
Pentachloroethane	5.6	mg/kg
1,2,4,5-Tetrachlorobenzene	14	mg/kg
1,2,4-Trichlorobenzene	19	mg/kg
K030 wastewaters		
BDAT = rotary kiln incineration		
o-Dichlorobenzene	0.008	mg/l
p-Dichlorobenzene	.008	mg/l
Hexachlorobutadiene	.007	mg/l
Hexachloroethane	.033	mg/l
Pentachloroethane	.007	mg/l
1,2,4,5-Tetrachlorobenzene	.017	mg/l
Tetrachloroethene	.007	mg/l
1,2,4-Trichlorobenzene	0.23	mg/l
K037 nonwastewaters		
BDAT = rotary kiln incineration		
Disulfoton	0.1	mg/kg
Toluene	28	mg/kg
K037 wastewaters		
BDAT = rotary kiln incineration		
Disulfoton	0.003	mg/l
Toluene	0.28	mg/l

CONSTITUENT CONCENTRATIONS
IN WASTES (Continued)

Waste	Concentration
K048 nonwastewaters	
BDAT = solvent extraction and/or incineration for organics, and stabilization for metals	
Benzene	9.5 mg/kg
Benzo(a)pyrene	.84 mg/kg
Bis(2-ethylhexyl)phthalate	37 mg/kg
Chrysene	2.2 mg/kg
Di-n-butyl phthalate	4.2 mg/kg
Ethylbenzene	67 mg/kg
Naphthalene	Reserved
Phenanthrene	7.7 mg/kg
Phenol	2.7 mg/kg
Pyrene	2.0 mg/kg
Toluene	9.5 mg/kg
Xylenes	Reserved
Cyanides (Total)	1.8 mg/kg
K048 wastewaters	
BDAT = fuilized bed incineration or organics, and chrome reduction, lime/ sulfide precipitation, and vacuum filtration for metals	
Benzene	0.011 mg/l
Benzo(a)pyrene	.047 mg/l
Bis(2-ethylhexyl)phthalate	0.43 mg/l
Chrysene	0.43 mg/l
Di-n-butyl phthalate	.060 mg/l
Ethylbenzene	0.11 mg/l
Fluorene	0.50 mg/l
Naphthalene	0.33 mg/l
Phenanthrene	0.39 mg/l
Phenol	0.47 mg/l
Pyrene	0.45 mg/l
Toluene	0.11 mg/l
Xylenes	0.11 mg/l
Chromium (Total)	.20 mg/l
Lead	0.37 mg/l

CONSTITUENT CONCENTRATIONS
IN WASTES (Continued)

Waste	Concentration
K049 nonwastewaters	
BDAT = solvent extraction and/or incineration for organics, and stabilization for metals	
Anthracene	6.2 mg/kg
Benzene	9.5 mg/kg
Benzo(a)pyrene	0.84 mg/kg
Bis(2-ethylhexyl)phthalate	37 mg/kg
Chyrsene	2.2 mg/kg
Ethylbenzene	67 mg/kg
Naphthalene	Reserved
Phenanthrene	7.7 mg/kg
Phenol	2.7 mg/kg
Pyrene	2.0 mg/kg
Roluene	9.5 mg/kg
Xylenes	Reserved
Cyandes (Total)	1.8 mg/kg
K049 wastewaters	
BDAT = fuilized bed incineration for organics, and chrome reduction, lime/ sulfide precipitation, and vacuum filtration for metals	
Anthracene	0.039 mg/l
Benzene	.011 mg/l
Benzo(a)pyrene	0.47 mg/l
Bis(2-ethylhexyl)phthalate	0.43 mg/l
Carbon disulfide	0.11 mg/l
Chrysene	0.43 mg/l
Chrysene	0.43 mg/l
2,4-Dimethylphenol	0.33 mg/l
Ethylbenzene	0.11 mg/l
Naphthalene	0.33 mg/l
Phenanthrene	.039 mg/l
Phenol	.047 mg/l
Pyrene	0.45 mg/l
Toluene	.011 mg/l
Xylenes	.011 mg/l
Chromium (Total)	.20 mg/l
Lead	.037 mg/l

CONSTITUENT CONCENTRATIONS
IN WASTES (Continued)

Waste	Concentration
K050 nonwastevaters	
BDAT = solvent extraction and/or incineration for organics, and stabilization for metals	
Benzo(a)pyrene	0.84 mg/kg
Phenol	2.7 mg/kg
Cyanides (Total)	1.8 mg/kg
K050 wastevaters	
BDAT = fuilized bed incineration for organics, and chrome reduction, lime/ sulfide precipitation, and vacuum filtration for metals	
Benzo(a)pyrene	0.047 mg/l
Phenol	.047 mg/l
Chromium (Total)	.20 mg/l
Lead	.037 mg/l
K051 nonvastevaters	
BDAT = solvent extraction and/or incineration for organics, and stabilization for metals	
Anthracene	6.2 mg/kg
Benzene	9.5 mg/kg
Benzo(a)anthracene	1.4 mg/kg
Benzo(a)pyrene	.84 mg/kg
Bis(2-ethylhexyl)phthalate	37 mg/kg
Chrysene	2.2 mg/kg
Di-n-butyl phthalate	4.2 mg/kg
Ethylbenzene	67 mg/kg
Naphthalene	Reserved
Phenanthrene	7.7 mg/kg
Phenol	2.7 mg/kg
Pyrene	2.0 mg/kg
Toluene	9.5 mg/kg
Xylenes	Reserved
Cyandes (Total)	1.8 mg/kg

CONSTITUENT CONCENTRATIONS
IN WASTES (Continued)

Waste	Concentration
K051 vastevaters	
BDAT = fuilized bed incineration for organics, and chrome reduction, lime/ sulfide precipitation, and vacuum filtration for metals	
Acenaphthene	0.050 mg/l
Anthracene	.039 mg/l
Benzene	.011 mg/l
Benzo(a)anthracene	.043 mg/l
Benzo(a)pyrene	.047 mg/l
Bis(2-ethylhexyl)phthalate	.043 mg/l
Chrysene	.043 mg/l
Di-n-butyl phthalate	.060 mg/l
Ethylbenzene	.011 mg/l
Fluorene	.050 mg/l
Naphthalene	.033 mg/l
Phenanthrene	.039 mg/l
Phenol	.047 mg/l
Pyrene	.045 mg/l
Toluene	.011 mg/l
Xylenes	.011 mg/l
Chromium (Total	.20 mg/l
Lead	.037 mg/l
K052 nonvastevaters	
BDAT = solvent extraction and/or incineration for organics, and stabilization for metals	
Benzene	9.5 mg/kg
Benzo(a)pyrene	0.84 mg/kg
o-Cresol	2.2 mg/kg
p-Cresol	0.90 mg/kg
Ethylbenzene	67 mg/kg
Naphthalene	Reserved
Phenanthrene	7.7 mg/kg
Phenol	2.7 mg/kg
Toluene	9.5 mg/kg
Xylenes	Reserved
Cyandes (Total)	1.8 mg/kg

CONSTITUENT CONCENTRATIONS
IN WASTES (Continued)

Waste	Concentration
K052 wastewaters	
BDAT = fluidized bed incineration for organics, and chrome reduction, lime/ sulfide precipitation, and vacuum filtration for metals	
Benzene	0.011 mg/l
Benzo(a)pyrene	.047 mg/l
o-Cresol	.011 mg/l
p-Cresol	.011 mg/l
2,4-Dimethylphenol	.033 mg/l
Ethylbenzene	.011 mg/l
Naphthalene	.033 mg/l
Phenanthrene	.039 mg/l
Phenol	.047 mg/l
Toluene	.011 mg/l
Xylenes	.011 mg/l
Chromium (Total)	.20 mg/l
Lead	.037 mg/l
K062 wastewaters	
BDAT = chromium reduction, chemical precipitation and settling, dewatering of sludge	
Chromium (Total)	0.32 mg/l
Lead	.04 mg/l
Nickel	.44 mg/l
K071 wastewaters	
BDAT = sulfide precipitation, filtration, dewatering	
Mercury	0.030 mg/l

CONSTITUENT CONCENTRATIONS
IN WASTES (Continued)

Waste	Concentration
K086 nonwastewaters--Solvent Washes Subcategory	
BDAT = incineration	
Acetone	0.37 mg/kg
bis(2-ethythexyl) phthalate	.49 mg/kg
n-Butyl alcohol	.37 mg/kg
Cyclohexanone	.49 mg/kg
1,2-Dichlorobenzene	.49 mg/kg
Ethyl acetate	.37 mg/kg
Ethyl benzene	.031 mg/kg
Methanol	.37 mg/kg
Methylene chloride	.037 mg/kg
Methyl ethyl ketone	.37 mg/kg
Methyl isobutyl ketone	.37 mg/kg
Naphthalene	.49 mg/kg
Nitrobenzene	.49 mg/kg
Toluene	.031 mg/kg
1,1,1-Trichloroethane	.044 mg/kg
Trichloroethylene	.031 mg/kg
Xylenes	.015 mg/kg
K086 wastewaters--Solvent Washes Subcategory	
BDAT = incineration, for organics, chromium reduction, lime precipitation, and filtration	
Acetone	0.015 mg/l
bis(2-ethylhexyl)phthalate	.044 mg/l
n-Butyl alcohol	.031 mg/l
Cyclohexanone	.022 mg/l
1,2-Dichlorobenzene	.044 mg/l
Ethyl acetate	.031 mg/l
Ethyl benzene	.015 mg/l
Methanol	.031 mg/l
Methylene chloride	.031 mg/l
Methyl ethyl ketone	.031 mg/l
Methyl isobutyl ketone	.031 mg/l
Naphthalene	.044 mg/l
Nitrobenzene	.044 mg/l
Toluene	.029 mg/l
1,1,1-Trichloroethane	.031 mg/l
Trichloroethylene	.029 mg/l
Xylenes	.015 mg/l
Chromium (Total)	.32 mg/l
Lead	.037 mg/l

CONSTITUENT CONCENTRATIONS IN WASTES (Continued)

Waste	Concentration
K087 nonwastewaters	
BDAT = rotary kiln incineration	
Acenaphthalene	.34 mg/kg
Benzene	.071 mg/kg
Chrysene	3.4 mg/kg
Fluoranthene	.34 mg/kg
Indeno (1,2,3-cd) pyrene	3.4 mg/kg
Naphthalene	3.4 mg/kg
Phenanthrene	3.4 mg/kg
Toluene	.65 mg/kg
Xylenes	.070 mg/kg
K087 wastewaters	
BDAT = rotary kiln incineration	
Acenaphthalene	0.028 mg/l
Benzene	.014 mg/l
Chrysene	.028 mg/l
Fluoranthene	.028 mg/l
Indeno (1,2,3-cd) pyrene	.028 mg/l
Naphthalene	.028 mg/l
Phenanthrene	.028 mg/l
Toluene	.008 mg/l
Xylenes	.014 mg/l
Lead	.037 mg/l
K099 nonwastewaters	
BDAT = oxidation using chlorine	
2,4-Dichlorophenoxyacetic acid	1.0 mg/kg
Hexachlorodibenzo-p-dioxins	.001 mg/kg
Hexachlorodibenzofurans	.001 mg/kg
Pentachlorodibenzo-p-dioxins	.001 mg/kg
Pentachlorodibenzofurans	.001 mg/kg
Tetrachlorodibenzo-p-dioxins	.001 mg/kg
Tetrachlorodibenzofurans	.001 mg/kg

CONSTITUENT CONCENTRATIONS IN WASTES (Continued)

Waste	Concentration
K099 wastewaters	
BDAT = oxidation using chlorine	
2,4-Dichlorophenoxyacetic acid	1.0 mg/l
Hexachlorodibenzo-p-dioxins	.001 mg/l
Hexachlorodibenzofurans	.001 mg/l
Pentachlorodibenzo-p-dioxins	.001 mg/l
Pentachlorodibenzofurans	.001 mg/l
Tetrachlorodibenzo-p-dioxins	.001 mg/l
Tetrachlorodibenzofurans	.001 mg/l
K101 nonwastewaters (Low Arsenic Subcategory--less than 1% total arsenic)	
BDAT = rotary kiln incineration	
Ortho-Nitroaniline	14 mg/kg
K101 wastewaters	
BDAT = rotary kiln incineration for organics, and chemical precipitation and filtration for metals	
Ortho-Nitroaniline	0.27 mg/l
Arsenic	2.0 mg/l
Cadmium	.24 mg/l
Lead	.11 mg/l
Mercury	.027 mg/l
K102 nonwastewaters (Low Arsenic Subcategory--less than 1% total arsenic)	
BDAT = rotary kiln incineration	
Ortho Nitrophenol	13 mg/kg

CONSTITUENT CONCENTRATIONS
IN WASTES (Continued)

Waste	Concentration
K102 wastewaters	
BDAT = rotary kiln incineration for organics, and chemical precipitation and filtration for metals	
Ortho-Nitrophenol	0.028 mg/l
Arsenic	2.0 mg/l
Cadmium	.24 mg/l
Lead	.11 mg/l
Mercury	.027 mg/l
K103 nonwastewaters	
BDAT = solvent extraction, activated carbon adsorption, with incineration of the solvent stream	
Aniline	5.6 mg/kg
Benzene	6.0 mg/kg
2,4-Dinitrophenol	5.6 mg/kg
Nitrobenzene	5.6 mg/kg
Phenol	5.6 mg/kg
K103 wastewaters	
BDAT = solvent extraction, activated carbon adsorption, with incineration of the solvent stream	
Aniline	4.5 mg/l
Benzene	.15 mg/l
2,4-Dinitrophenol	.61 mg/l
Nitrobenzene	.073 mg/l
Phenol	.14 mg/l
K104 nonwastewaters	
BDAT = solvent extraction, activated carbon adsorption, with incineration of the solvent stream	
Aniline	5.6 mg/kg
Benzene	6.0 mg/kg
2,4-Dinitrophenol	5.6 mg/kg
Nitrobenzene	5.6 mg/kg
Phenol	5.6 mg/kg
Cyanides (Total)	1.8 mg/kg

CONSTITUENT CONCENTRATIONS
IN WASTES (Continued)

Waste	Concentration
K104 wastewater	
BDAT = solvent extraction, activated carbon adsorption, with incineration of the solvent stream	
Aniline	4.5 mg/l
Benzene	.15 mg/l
2,4-Dinitrophenol	.61 mg/l
Nitrobenzene	.073 mg/l
Phenol	1.4 mg/l
Cyanides (Total)	2.7 mg/l
No Land Disposal for:	
K004 Nonwastewaters (Based on No Generation)	
K008 Nonwastewaters (Based on No Generation)	
K015 Nonwastewaters (Based on No Ash)	
K021 Nonwastewaters (Based on No Generation)	
K025 Nonwastewaters (Based on No Generation)	
K036 Nonwastewaters (Based on No Generation	
K8044 (Based on Reactivity)	
K045 (Based on Reactivity)	
K047 (Based on reactivity)	
K060 Nonwastewaters (Based on No Generation)	
K061 Nonwastewaters--High Zinc Subcategory (greater than or equal to 15% total zinc((Based on Recycling): effective 8/8/90	
K069 Nonwastewaters--Non-Calcium Sulfate Subcategory (Based on Recycling)	
K083 Nonwastewaters--No Ash Subcategory (Based on No Ash)	
K100 Nonwastewaters (Based on No Generation)	

APPENDIX F

SOFT HAMMERED P AND U WASTES

APPENDIX F

SOFT HAMMERED P AND U WASTES

§261.33(e) Wastes

P001--Warfarin, when present at concentration greater than 0.3%
P004--Aldrin
P005--Allyl alcohol
P010--Arsenic acid
P011--Arsenic (V) oxide
P012--Arsenic (III) oxide
P015--Beryllium dust
P016--Bis-(chloromethyl) ether
P018--Brucine
P020--Dinoseb
P030--Soluble cyanide salts not elsewhere specified
P036--Dichlorophenylarsine
P037--Dieldrin
P039--Disulfoton
P041--Diethyl-p-nitrophenyl phosphate
P048--2,4-Dinitrophenol
P050--Endosulfan
P058--Fluoracetic acid, sodium salt
P059--Heptachlor
P063--Hydrogen cyanide
P068--Methyl Hydrazine
P069--Methyllactonitrile
P070--Aldicarb
P071--Methyl parathion
P081--Nitroglycerine
P082--N-Nitrosodimethylamine
P084--N-Nitrosomethylvinylamine
P087--Osmium tetraoxide
P089--Parathion
P092--Phenylmercuric acetate
P094--Phorate
P097--Famphur
P102--Propargyl alcohol
P105--Sodium azide
P108--Strychnine and salts
P110--Tetraethyl lead
P115--Thallium (I) sulfate
P120--Vanadium pentoxide
P122--Zinc phosphide, when present at concentrations greater than 10%
P123--Toxaphene

§261.33(f) Wastes

U007--Acrylamide
U009--Acrylonitrile
U010--Mitrmycin C
U012--Aniline
U016--Benz(c)acridine

§261.33(f) Wastes (Continued)

U018--Benz(a)anthracene
U019--Benzene
U022--Benzo(a)pyrene
U029--Methyl bromide
U031--n-Butanol
U036--Chlordane, technical
U037--Chlorobenzene
U041--n-Chloro-2,3-epoxypropane
U043--Vinyl chloride
U044--Chloroform
U046--Chloromethyl methyl ether
U050--Chrysene
U051--Creosote
U053--Crotonaldehyde
U061--DDT
U063--Dibenz o (a, h) anthracene
U064--1,2:7,8 Dibenzopyrene
U066--Dibromo-3-chloropropane 1,2-
U067--Ethylene dibromide
U074--1,4-Dichloro-2-butene
U077--Ethane, 1,2-dichloro-
U078--Dichloroethylene, 1,1-
U086--N,N Diethylhydrazine
U089--Diethylstilbestrol
U103--Dimethyl sulfate
U105--2,4-Dinitrotoluene
U108--Dioxane, 1,4-
U115--Ethylene oxide
U122--Formaldehyde
U124--Furan
U129--Lindane
U130--Hexachlorocyclopentadiene
U133--Hydrazine
U134--Hydrofluoric acid
U137--Indeno(1,2,3-cd)pyrene
U151--Mercury
U154--Methanol
U155--Methapyrilene
U157--3-Methylcholanthrene
U158--4,4-Methylene-bis-(2-chloroaniline)
U159--Methyl ethyl ketone
U171--Nitropropane, 2-
U177--N-Nitroso-N-methylurea
U180--N-Nitrosopyrrolidine
U185--Pentachloronitrobenzene
U188--Phenol
U192--Pronamide
U200--Reserpine
U209--Tetrachloroethane, 1,1,2,2-
U210--Tetrachloroethylene
U211--Carbon tetrachloride

§261.33(f) Wastes (Continued)

U219--Thiourea
U220--Toluene
U221--Toluenediamine
U223--Toluene diisocyanate
U226--Methylchloroform
U227--Trichloroethane, 1,1,2-
U228--Trichloroethylene
U237--Uracil mustard
U238--Ethyl carbamate
U248--Warfarin, when present at concentrations of 0.3% or less
U249--Zinc phosphide, when present at concentrations of 10% or less

APPENDIX G

POTENTIAL CALIFORNIA LIST APPLICABILITY TO SOFT HAMMER WASTES (F & K WASTES)

APPENDIX G

POTENTIAL CALIFORNIA LIST APPLICABILITY TO SOFT HAMMER WASTES (F&K WASTES)

RCRA Waste Code	Constituent Resulting in Potential California List Applicability
F007	Cyanides
F008	Cyanides
F009	Metals
F019	Metals
K011	Cyanides
K013	Cyanides
K014	Cyanides
K017	Halogenated Organics
K073	Halogenated Organics
K031	Arsenic
K084	Arsenic
K101 & K102/High Arsenic	Arsenic
K046/Explosive	Lead
K069/$CaSO_4$	Lead
K085	Halogenated Organics and PCBs
K035	Organics and/or Metals
K083	Organics and/or Metals
K086 Solvent Sludges Caustic Water	Organics and/or Metals
K106	Mercury
F006	Cyanides
F007	Cyanides
F008	Metals
F009	Metals
F019	Metals
K004	Chromium
K008	Chromium
K061/All	Chromium
K011	Cyanides
K013	Cyanides
K014	Cyanides

APPENDIX G

POTENTIAL CALIFORNIA LIST APPLICABILITY TO SOFT HAMMER WASTES (F&K WASTES) (Continued)

RCRA Waste Code	Constituent Resulting in Potential California List Applicability
K017	Halogenated Organics
K021	Halogenated Organics
K073	Halogenated Organics
K022	Unlikely to be Applicable
K035	Unlikely to be Applicable
K036	Unlikely to be Applicable
K083	Unlikely to be Applicable
K060	Unlikely to be Applicable
K031	Arsenic, Lead or Mercury
K046/Nonexplosive	Arsenic, Lead or Mercury
K069/All	Arsenic, Lead or Mercury
K084	Arsenic, Lead or Mercury
K106	Arsenic, Lead or Mercury
K046/Explosive	Lead
K085	Halogenated Organics and PCBs
K086 Solvent Sludges Caustic Water	~~Halogenated Organics and/or~~ Metals

APPENDIX H

RESTRICTED WASTES SUBJECT TO NATIONAL VARIANCES

APPENDIX H

RESTRICTED WASTE SUBJECT TO NATIONWIDE VARIANCES

Restricted Hazardous Waste	Effective Date of National Capacity Variance
o Solvent- and dioxin-containing soil and debris from CERCLA responses or RCRA corrective actions.	11/8/90
o Soil and debris NOT from CERCLA response actions or RCRA corrective actions contaminated with less than 1 percent total solvents or certain dioxins.	11/8/88
o Soil and debris contaminated with California list HOCs from CERCLA response actions or RCRA corrective actions.	11/8/90
o Soil and debris contaminated with California list HOCs NOT from CERCLA response actions or RCRA corrective actions.	7/8/89
o All soil and debris contaminated with First Third wastes for which treatment standards are based on incineration (K015, K016, K018-K020, K024, K030, K037, K048-K052, K001, K083, K087, K101-K102).	8/8/90

State of New Jersey
Department of Environmental Protection and Energy
Enforcement

Scott A. Weiner
Commissioner

Diane K. Weeks
Assistant Commissioner

NJD067484923

E L BETH LTD
500 HIGH STREET
PERTH AMBOY, NJ 08861

Date: APR 13 1993

RE: Inactive Use of EPA ID Number

Dear Generator:

The New Jersey Department of Environmental Protection and Energy has reviewed its database of hazardous waste generators. Based upon our review, your facility has not used the above identified EPA identification number for the last three years.

If your facility does not generate hazardous waste and you wish to deactivate your identification number, please contact the Bureau of Advisement and Manifest in writing at the address listed below:

New Jersey Department of Environmental Protection and Energy
Division of Hazardous Waste Regulation
Bureau of Advisement and Manifest
401 East State Street, Fifth Floor, East Wing
CN 028
Trenton, New Jersey 08625

If your facility generates and/or stores hazardous waste, but <u>never</u> in quantities greater than 100 kilograms of listed or characteristic waste (less than 220 pounds); or 1 kilogram (less than 2.2 pounds) of acutely hazardous waste; or 1,001 gallons of waste oil in any one month you may wish to deactivate your fully regulated generator number and have it replaced with a small quantity generator (NJX) number. Applications for the "NJX" number can be obtained by calling Ms. Becky Bonfonti at (609) 292-7081.

Please be advised that should you decide to retain your fully regulated generator number your facility will be subject to inspections and fees pursuant to N.J.A.C. 7:26-4A. Should you have any questions concerning this matter, please call me at (609) 584-4200.

Sincerely,

Wolfgang Skacel
Section Chief, Hazardous Waste Section
Central Bureau of Water and Hazardous Waste
Enforcement

Enc.
Please Respond To:

Tel.#

12/31/79

EPA

ACKNOWLEDGEMENT OF NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

(VERIFICATION)

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act *(RCRA)*. Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER ➤ NJD067484923

R L BETH
500 HIGH ST
PERTH AMBOY NJ 08861

INSTALLATION ADDRESS ➤ 500 HIGH ST
PERTH AMBOY NJ 08861

EPA Form 8700-12B (4-80) 10/09/80

Please print or type in the unshaded areas only
(fill—in areas are spaced for elite type, i.e., 12 characters/inch).

(2)

Form Approved OMB No. 158-R0175 OK

EPA

GENERAL INFORMATION

I. EPA I.D. NUMBER

NJD067484923

PLEASE PLACE LABEL IN THIS SPACE

II. POLLUTANT CHARACTERISTICS

Question	YES	NO	FORM ATTACHED	Question	YES	NO	FORM ATTACHED
A.		X		B.		X	
C.		X		D.		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X			F.		X	
G.		X		H.		X	
I.		X		J.		X	

III. NAME OF FACILITY

E L BETH LTD

IV. FACILITY CONTACT

A. NAME & TITLE	B. PHONE
MCCABE THOMAS A. PROJECT ENG'R	201 826 0800

V. FACILITY MAILING ADDRESS

500 HIGH STREET

B. CITY OR TOWN	C. STATE	D. ZIP CODE
PERTH AMBOY	NJ	08861

VI. FACILITY LOCATION

500 HIGH STREET

MIDDLESEX

C. CITY OR TOWN	D. STATE	E. ZIP CODE
PERTH AMBOY	NJ	08861

EPA Form 3510-1 (6-80)

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

VII. SIC CODES

A. FIRST: 3341	(specify) SECONDARY SMELTING & REFINING NON FERROUS
B. SECOND:	(specify)
C. THIRD:	(specify)
D. FOURTH:	(specify)

VIII. OPERATOR INFORMATION

A. NAME: E L BETH LTD

B. ☐ YES ☒ NO

C. STATUS OF OPERATOR: P (specify)

D. PHONE: 201 826 0800

E. STREET OR P.O. BOX: 500 HIGH STREET

F. CITY OR TOWN: PERTH AMBOY

G. STATE: NJ

H. ZIP CODE: 08861

IX. INDIAN LAND

☐ YES ☒ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)		
B. UIC (Underground Injection of Fluids)	E. OTHER (specify): 46339	(specify) N.J. DEP.
C. RCRA (Hazardous Wastes)	E. OTHER (specify): 41194	(specify) N.J. DEP.

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements. F9: A/50

XII. NATURE OF BUSINESS (provide a brief description)

TIN & LEAD SCRAP ARE MELTED AND ALLOYED AND CAST INTO INGOTS.

ELECTRONIC SCRAP IS PROCESSED TO RECOVER GOLD CONTENT.

F9: A/51

DEC 3 1980

NEW YORK, N.Y. 10007

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
RICHARD STEINBERG PRESIDENT	[signature]	

COMMENTS FOR OFFICIAL USE ONLY

Please print or type in the unshaded areas only
(fill—in areas are spaced for elite type, i.e., 12 characters/inch).

Form Approved OMB No. 158-S80004

FORM 3 RCRA

EPA

ENVIRONMENTAL PROTECTION AGENCY

HAZARDOUS WASTE PERMIT APPLICATION

Consolidated Permits Program

(This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER

S												T/A	C
F	N	J	0	0	6	7	4	8	4	9	2	3	1

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below *(mark one box only)* to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

☒ 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

☐ 2. NEW FACILITY *(Complete item below.)*

FOR EXISTING FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

C	YR.	MO.	DAY
8	75	10	30

FOR NEW FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

YR.	MO.	DAY

B. REVISED APPLICATION *(place an "X" below and complete Item I above)*

☐ 1. FACILITY HAS INTERIM STATUS

☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES — CODES AND DESIGN CAPACITIES

A. PROCESS CODE — Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the form *(Item III-C).*

B. PROCESS DESIGN CAPACITY — For each code entered in column A enter the capacity of the process.

1. AMOUNT — Enter the amount.
2. UNIT OF MEASURE — For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER *(barrel, drum, etc.)*	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER *(Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)*	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING ITEM III *(shown in line numbers X-1 and X-2 below):* A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S02	600	G	
X-2	T03	20	E	
1	S01	250000	G	
2	~~S01~~	~~10,000~~	~~G~~	
3				
4				

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
5				
6				
7				
8				
9				
10				

S		T/A	C
C	DUP		1

Continued from the front.

III. PROCESSES *(continued)*

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES *(code "T04")*. FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. **EPA HAZARDOUS WASTE NUMBER** — Enter the four–digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four–digit number*(s)* from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. **ESTIMATED ANNUAL QUANTITY** — For each **listed waste** entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each **characteristic** or **toxic contaminant** entered in column A estimate the total annual quantity of all the non–listed waste*(s)* that will be handled which possess that characteristic or contaminant.

C. **UNIT OF MEASURE** — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. **PROCESSES**

1. PROCESS CODES:
   For listed hazardous waste: For each **listed** hazardous waste entered in column A select the code*(s)* from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.
   For non–listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code*(s)* from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non–listed hazardous wastes that possess that characteristic or toxic contaminant.
   Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code*(s)*.

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non–listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

Continued from the front.

IV. DESCRIPTION OF HAZARDOUS WASTE *(continued)*

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

F6: A/55 F6: A/56

EPA I.D. NO. *(enter from page 1)*

F | N J D 0 6 7 4 8 4 9 2 3 | T/A 3 | C 6

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail)*.

VI. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground-level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail)*.

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*
40 30 46.0	074 15 34.0

VIII. FACILITY OWNER

☐ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. *(area code & no.)*
E M.C. CANFIELD SONS	201-688-5050

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE
F 1000 BRIGHTON	G UNION	NJ	

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED
ROBERT M. SILVERMAN	Robert M. Silverman	11/18/80

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED
RICHARD STEINBERG	Richard Steinberg	11/18/80

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)	T/A	C	FOR OFFICIAL USE ONLY			
W NJD067484923	3	1	W DUP	3	2	DUP

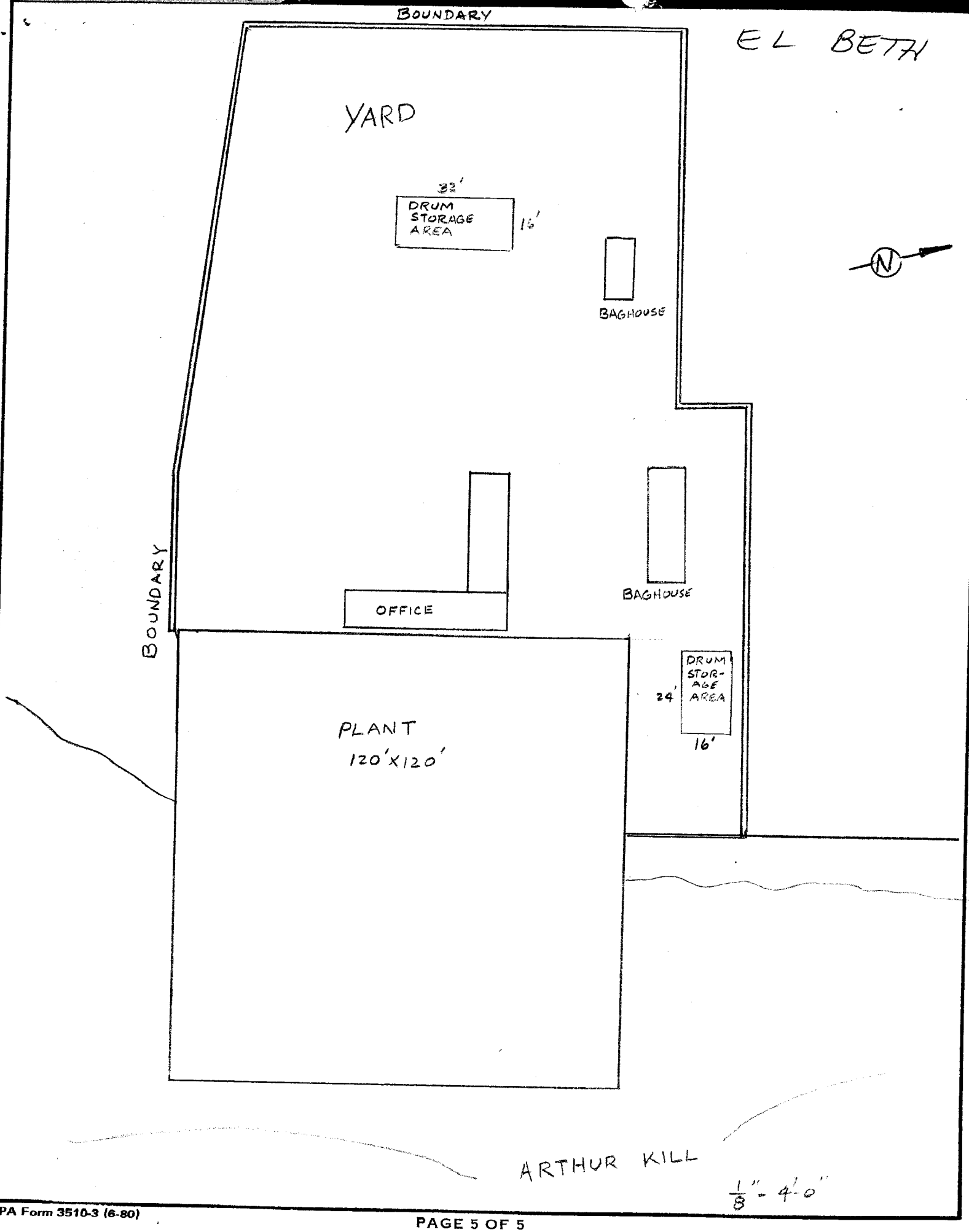
IV. DESCRIPTION OF HAZARDOUS WASTES *(continued)*

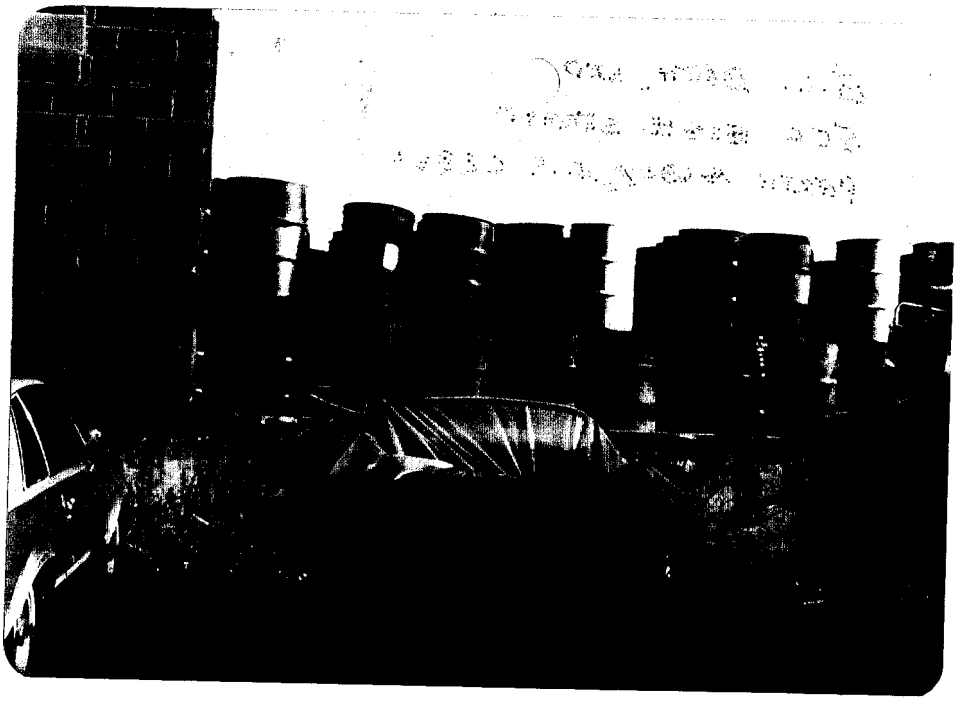
LINE NO.	A. EPA HAZARD. WASTE NO (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	K069	20,000000	P	S01				
2	D002	10,000000	P	S01				
3	D000	20,000000	P	S01				
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

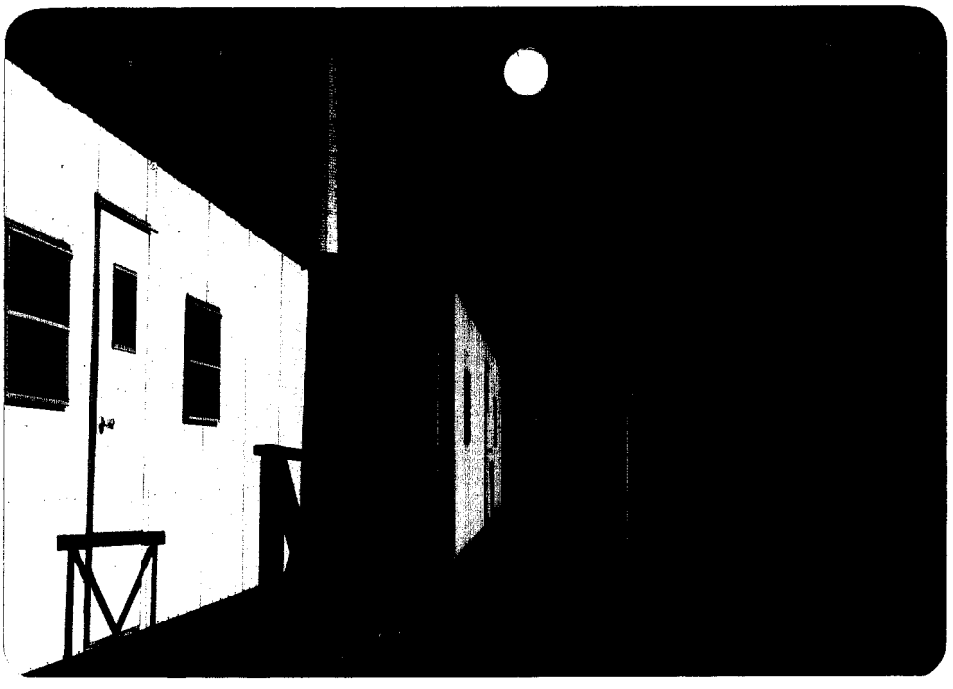
EPA Form 3510-3 (6-80)

CONTINUE ON REVERSE

V. FACILITY DRAWING *(see page 4)*







E.C. BETH LTD.
[illegible] HIGH ST.
PERTH AMBOY, N.J. 08861

Clay Pit
LANE
Chemical
Chemical
Sand Hill
Mill
Keasbey
Sch No 8
St Stephens Cem
Water
Brick
GARDEN STATE
PKWY
Fords Park
INTERCHANGE 128
Tollgate
INTERCHANGE 130
Beth Israel Memorial Park Cemetery
METUCHEN
WOODBRIDGE
ABANDONED
Sch No 10
Sch
CITY
BDY
Ball Field
RR Sta
St James Cem
County Vocational High Sch
INTERCHANGE 11
ROAD
4 LANE
Alpine Cem
PERTH AMBOY
Petroleum
AMBOY AVE
Water Tr
City Field
Maurer
OIL
RR
Woodbridge
Creek
Sludge Pit
Petroleum
WEST AVE
JERSEY
Brook
Power Plant
Sewaren
OUTERBRIDGE CROSSING
TOLL BRIDGE
Petroleum
Ploughshare Point
NEW JERSEY
NEW YORK
OUTERBRIDGE REACH
Piling
Piles
Petroleum
Piles
ARTHUR
KILL
PORT SOCONY REACH
Boynton Beach
Tidal Flat
Light
BAYONNE BRIDGE 12 MI.
485
110 000 FEET (N.Y.)
487
32'30"
489

EPA I.D. No.	Name	City
NJD002457174	GMC New Departure Hyatt Bearings Clark	Clark
NJD002482545	Viking Yacht Company	New Gretna
NJD002561652	Amax Specialty Metals	Florham Park
NJD002561868	Drew University	Madison
NJD011728656	Keystone Metal Finishers, Inc.	Secaucus
NJD012888525	Middletown Leather Co., Inc.	Hackettstown
NJD044081222	Hummel Chemical Company	South Plainfield
NJD044638935	Arsynco, Inc.	Carlstadt
NJD046351268	Sandvik, Inc.	Fair Lawn
NJD049644438	Diamond Aerosol Corporation	Glen Gardner
NJD061347860	Gould Inc. Industrial Battery Div.	Saddle Brook
NJD067362087	Lilly Industrial Coatings, Inc.	Paulsboro
NJD067484923	E L Beth Ltd.	Perth Amboy
NJD068292648	Standard Tank Cleaning Corp.	Bayonne
NJD076056234	BFI Chemical Services, Inc.	Pedricktown
NJD077091569	Associated Packaging, Inc.	Hurffville
NJD077549772	General Marine Transport Corp.	Bayonne
NJD080502568	Road Building & Construction Co. Inc.	Kearny
NJD081394741	Calumet Processing Corp. of N.J.	Sayreville
NJD087280038	Ideal Plating & Polishing Co., Inc.	Belleville
NJD093846308	Custom Chemicals Company	Elmwood Park
NJD094960333	Presto, Incorporated	Newark
NJD096876438	Cress Chemical Company	Newark
NJD098162704	San Juan International	Trenton

EPA I.D. No.	Name	City
NJD980526693	IT Corporation	Edison
NJD980526867	Shielding Technology	Piscataway
NJD980535959	Marko Engraving & Art Corp.	Fairview
NJD980594022	E.L. Beth Ltd.	Edison
NJD980642888	Kelbro, Inc.	Camden
NJD991304148	Viking Terminal Company	Sayreville
NJT000028134	Barone Barrel & Drum Company	Paterson
NJT350011144	Exxon Bayonne Plant	Bayonne
NJT350014585	Campbell Foundry Company	Kearny

N.J. Facilities Which Submitted
Liability Insurance Only
(total -- 28)

EPA I.D. No.	Name	City
NJD000004732	Becton Dickinson & Company	E. Rutherford
NJD000310417	Grow Group Inc.--Devoe Marine Coatings Co.	Pennsauken
NJD000313477	MAPPI Trucking Corp.	Old Bridge Township
NJD000831461	Princeton Circuit Boards, Inc.	Trenton
NJD001392679	Hermetite Div. Mundet Industries Inc.	Carlstadt
NJD001399013	Crelite Chemical Coatings Inc.	Irvington
NJD002137313	Ronson Metals Corporation	Newark
NJD002139145	Flint Ink Corporation	Lodi
NJD002151322	Fairmount Chemical Co., Inc.	Newark
NJD002155067	Fritzsche Dodge & Olcott Inc.	Clifton
NJD002155443	Cessna Aircraft	Boonton
NJD002395282	Ingersoll-Rand Company	Phillipsburg
NJD002458342	Sun Chemical Corporation Pigments Div.	Newark
NJD002491116	Deptford Plating Company	Deptford
NJD011394467	Standard T Chemical Co., Inc.	Linden
NJD042793076	Matheson Division Searle Medical Prods.	East Rutherford
NJD042797571	Hackensack Medical Center	Hackensack
NJD044081354	Mellon Chemicals, Inc.	Avenel
NJD046556486	Kinsley's Landfill, Inc.	Deptford
NJD047354832	Accurate Forming Corp.	Hamburg
NJD049143563	Birk Paint Manufacturers, Inc.	Jersey City
NJD049360836	Kin-Buc Inc.	Edison
NJD064981989	B & L Corporation	Newark
NJD079304783	Clay Adams Div. of Becton Dickinson & Co.	Parsippany
NJD080796782	Congoleum Resilient Flooring Div.	Trenton
NJD096873500	Co-Operative Industries	Chester
NJD990753493	Vanguard Research Assoc., Inc.	South Plainfield
NJL067507368	Westwood Lighting Group, Inc.	Paterson

N.J. Facilities Which Submitted
Financial Assurance Only
(total - 10)

EPA I.D. No.	Name	City
NJD000314674	Onyx Division Millmaster Onyx Group	Jersey City
NJD000314682	Lyndal Chemical Division	Lyndhurst
NJD001660786	Datascope Corp.	Oakland
NJD002165371	Inmont Corp. Hawthorne Plant	Hawthorne
NJD002442549	Curtis-Wright	Fairfield
NJD002444958	Inmont Corporation	Middlesex
NJD065815771	Alcan Ingot & Powders	Union
NJD094951258	A. Gross & Company	Newark
NJD095171930	Colonial Printing Ink Company	East Rutherford
NJD095171948	United States Printing Ink	East Rutherford

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION II
26 FEDERAL PLAZA
NEW YORK, NEW YORK 10278

MAY 26 1983

Mr. George Tyler
Assistant Commissioner for
Environmental Management and Control
New Jersey Department of
Environmental Protection
Labor and Industry Building, Room 805
P.O. Box CN 402
Trenton, New Jersey 08625

Dear Mr. Tyler:

On January 31, 1983, the Environmental Protection Agency (EPA) Region II sent 302 warning letters (sample copies enclosed) to owners and operators of hazardous waste facilities which were not in compliance with EPA's financial responsibility regulations. These regulations became effective in July 1982 and required facilities to demonstrate that funds are available for:

- meeting their obligations under the Resource Conservation and Recovery Act (RCRA) for proper closure and post-closure care of their facilities (i.e., "financial assurance"); and

- compensating others for bodily injury or property damage caused by accidents arising from operations of the facilities (i.e., "liability insurance").

The following is to summarize industry's compliance to date (or lack thereof) with the Federal financial responsibility regulations. See the enclosed computer printout for a listing of the facilities in compliance with the Federal regulations. Also enclosed is a listing of the facilities within each non-compliance category.

- Number of facilities which have submitted all required documents (including those facilities that have utilized the financial test and corporate guarantee methods of compliance) - 279

- Number of facilities which demonstrated financial assurance only - 10

- Number of facilities which demonstrated liability insurance only - 28
- Number of "non-submitters" (excluding facilities which either closed or requested to be declassified as hazardous waste facilities) - 56

The above numbers indicate that 94 facilities are in violation of the Federal and State financial responsibility requirements. Our concern is whether the State or EPA should proceed with enforcement follow-up activities for these 94 facilities. The State's financial regulations, which have been in effect since October 1981, are even more stringent than the Federal regulations in that they do not provide facilities with the option of using the corporate guarantee or the financial test for demonstrating proof of financial assurance and liability insurance. Two hundred and thirty facilities have utilized these alternative methods (see the enclosed computer printout for a listing of facilities which employed these methods). Now that New Jersey has received Phase I interim authorization, the State is responsible for enforcing financial regulations in lieu of EPA. However, the Phase I Memorandum of Agreement (MOA) does provide that EPA can initiate enforcement actions in cases where the State does not initiate timely and appropriate enforcement actions against violators. Regardless of which Agency takes the lead, enforcement actions must be based on the State's financial regulations (see enclosed EPA guidance on enforcement actions in authorized States)

Please notify me within the next two weeks as to the State's plan of action (including time frames) for conducting follow-up enforcement activities for the 94 facilities identified in the enclosure. (Of course, some of these facilities may have already provided the State with financial documentation pursuant to State regulations and would therefore not be considered enforcement candidates by New Jersey.) My staff and I are ready to provide assistance to New Jersey in implementing this high priority portion of the State's Phase I hazardous waste program. Alternatively, if the State chooses not to take the enforcement lead at this time, EPA is ready to proceed with initiating said enforcement actions and will keep New Jersey informed of its activities.

Your cooperation on this matter is appreciated.

Sincerely yours,

Conrad Simon
Director
Air & Waste Management Division

Enclosures

cc: Michael DeBonis
Asst. Director for Planning
and Resource Recovery, NJDEP (w/o encl.)

N.J. Facilities Which Submitted
No Financial Instruments
(total -- 56)

EPA I.D. No.	Name	City
NJD000316778	Princeton Biomedix	West Windsor Township
NJD000540062	Jersey Smelting & Refining	Jersey City
NJD000632240	Cylinder Maintenance Corp.	Kearny
NJD000692350	PNC Inc.	Nutley
NJD000692467	Interchemical Petroleum Corp-Eastern Inc.	Little Ferry
NJD000694307	Quanta Resources Corporation	Edgewater
NJD000765123	Polarome Manufacturing Co., Inc.	Newark
NJD000818518	Ames Rubber Corp. Wantage Plant	Wantage
NJD001394089	Synkote Paint Company	Elmwood Park
NJD001915800	James J. Keating Inc.	Perth Amboy
NJD002008118	H & S Chemical Company Inc.	Wallington
NJD002141711	John L. Armitage & Co.	Newark
NJD002141950	CP Chemicals Inc.	Sewaren
NJD002147643	Precision Register Co., Inc.	Hillside
NJD002160471	Excel Products Co., Inc.	New Brunswick
NJD002177640	C-D I Dispersions	Newark
NJD002193001	Johanson Manufacturing Corp.	Boonton
NJD002200913	John B. Moore Corporation	South Amboy
NJD002327963	Materials Elec Pdts Corp.	Trenton
NJD002344190	United States Bronze Powders	Flemington
NJD002349751	Struthers-Dunn, Inc.	Pitman
NJD002385664	Vineland Chemical	Vineland
NJD002389468	Ames Rubber Corp. Hamburg Plant	Hamburg

FOIA Report of Non-Sensitive Compliance Monitoring and Enforcement Data

Report run on: September 12, 2013 - 3:50 PM

Version 5.0

User Selection Criteria

Location:	New Jersey, all activities	**Activity Location:**	None Chosen
Handler ID:	NJD067484923	**Group of IDs:**	None Chosen
Handler Name:			
Handler Universe:	All Facilities Regardless of Universe		
Determined Date Range:	From: 10/01/1980 To: 09/12/2013		
Location County Code:	None Chosen	**Evaluation Type:**	
Location City:		**Focus Area:**	
Location Zip Code:		**Violation Type:**	
State District:	None Chosen	**Display Code Descrip.:**	Yes
Sort Order:	Region, State, Handler Name	**Display Universes:**	Yes

Results

Data meeting the criteria you selected follows.

Total Pages:4 Total Handlers:1

Report Description

This report presents available information from the Resource Conservation and Recovery Act Information System (RCRAInfo) about compliance evaluations, violations, and enforcement actions meeting the criteria supplied by the user. Evaluations showing no violations does not always indicate that no violations were determined. Violation without enforcement actions does not always mean no enforcement action will be issued. In order to avoid releasing enforcement sensitive information to the public the following information is not shown on the report: pending civil / judicial referrals, criminal actions and referrals, and State to EPA referrals; all other enforcement actions are released.

Report Information

Name:	cme_foia.rdf
Developed by:	EPA Headquarters, Office of Enforcement and Compliance Assurance
Deployed:	June 2006
Last Updated:	May 2012
Contact:	rcrainfo.help@epa.gov
Tables Used:	cmecomp3, ccitation3, hreport_univ5, lu_citation, lu_state, hid_groups
Libraries:	none

FOIA Report of Non-Sensitive Compliance Monitoring and Enforcement Data

Report run on: September 12, 2013 - 3:50 PM

E L BETH LTD County Name / Code: MIDDLESEX / NJ023 **NJD067484923**

Location: 500 HIGH ST; PERTH AMBOY, NJ 08861 **REGION 02**

Mailing: 500 HIGH ST; PERTH AMBOY, NJ 08861

Activity Location: NJ	State District: CENTRAL	Accessibility:	Non-Notifier:	Extract Flag: Y	Active Site: N		
Generator: N	Transporter: N	Operating TSDF: ------	IC In Place: N	EI Indicator (HE / GW): N / N			
Short-Term Gen: N	Transfer Facility: N	Offsite Receiver: N	HSM: N	Subpart K: ----			
Full Enforcement: ------	Converter: ------	State Unaddressed SNC: N	EPA Unaddressed SNC: N				
CA Wrkld: N	State TSDF: ------	State Addressed SNC: N	EPA Addressed SNC: N				
Active State Gen: N		State SNC w/Comp Sched: N	EPA SNC w/Comp Sched: N				

Evaluations With No Violations:

CEI Evaluation 06/04/1990	Activity Location: NJ	By: State	Identifier: 002	Person: R2DEP	Branch:	Found Violation: NO	
Citizen Complaint: NO	Multimedia Inspection: NO	Sampling: NO	Not Subtitle C: NO	Day Zero:		Focus Area:	
CEI Evaluation 01/16/1985	Activity Location: NJ	By: State	Identifier: 001	Person:	Branch:	Found Violation: NO	
Citizen Complaint: NO	Multimedia Inspection: NO	Sampling: NO	Not Subtitle C: NO	Day Zero:		Focus Area:	

Total Number of Handlers: 1

Total Number of Activity Locations: 1

*** End of Report ***

* Note: Penalty amount may not reflect all violations cited.

Description of codes used on the report:

Universes	Description of Universes
Generator	Indicates that the facility is a Large Quantity Generator (LQG), Small Quantity Generator (SQG), Conditionally Exempt Small Quantity Generator (CEG), or not a generator (N).
Transporter	Indicates that the facility Transports waste subject to RCRA regulations. ('Y' indicates that the facility is in this universe).
Operating TSDF	Indicates that the facility is a Treatment, Storage or Disposal facility subject to any type of enforcement. It then specifies the type of facility (L - Land Disposal; I - Incinerator; B - BIF; S - Storage; T - Treatment)
IC in Place	Indicates that the facility has Institutional Controls in place. ('Y' indicates that the facility is in this universe).
EI Indicator (HE / GW)	Indicates that the facility has controls in place for Environmental Indicators. HE - Human Exposures ('+' indicates the exposure exists and is under control; '-' indicates the exposure exists and is not under control; 'N' indicates the exposure does not exist) GW - Groundwater Release ('+' indicates the exposure exists and is under control; '-' indicates the exposure exists and is not under control; 'N' indicates the exposure does not exist)
Short-Term Gen	Indicates that the facility is a short term or one time event generator and not generating from ongoing processes.
Transfer Facility	Indicates that the facility transfers hazardous waste.
Offsite Receiver	Indicates that the facility, whether public or private, currently accepts hazardous waste from another site (site identified by a different EPA ID).
HSM	Indicates that the facility manages hazardous secondary material(s) (e.g. spent material, by-product or sludge) that when discarded, would be identified as hazardous waste.
Subpart K	Indicates that the facility has opted into the subpart K laboratory rule. It then specifies the type of facility (C - College or University; H - Teaching Hospital; N - Non-profit Research Institute; W - withdrawal from the rule)
Full Enforcement	Indicates that the facility is a Treatment, Storage or Disposal facility which is part of the Full Enforcement universe. It then specifies the type of facility (L - Land Disposal; I - Incinerator; B - BIF; S - Storage; T - Treatment)
CA Workload	Indicates that the facility is part of the Corrective Action Workload universe. ('Y' indicates that the facility is in this universe).
Active State Gen	Indicates that the facility is an Active State Generator. ('Y' indicates that the facility is in this universe).
Converter	Indicates that the facility is a Converter Treatment, Storage or Disposal facility. It then specifies the type of facility (L - Land Disposal; I - Incinerator; B - BIF; S - Storage; T - Treatment)
State TSDF	Indicates that the facility is a State Treatment, Storage or Disposal facility. It then specifies the type of facility (L - Land Disposal; I - Incinerator; B - BIF; S - Storage; T - Treatment)
State Unaddressed SNC	Indicates that the facility is a State Unaddressed Significant Non-Complier. ('Y' indicates that the facility is in this universe).
State Addressed SNC	Indicates that the facility is a State Addressed Significant Non-Complier. ('Y' indicates that the facility is in this universe).
State SNC w/ Compl. Sched	Indicates that the facility is a State Significant Non-Complier with a Compliance Schedule. ('Y' indicates that the facility is in this universe).
EPA Unaddressed SNC	Indicates that the facility is an EPA Unaddressed Significant Non-Complier. ('Y' indicates that the facility is in this universe).
EPA Addressed SNC	Indicates that the facility is an EPA Addressed Significant Non-Complier. ('Y' indicates that the facility is in this universe).
EPA SNC w/ Compl. Sched	Indicates that the facility is a EPA Significant Non-Complier with a Compliance Schedule. ('Y' indicates that the facility is in this universe).

* Note: Penalty amount may not reflect all violations cited.

Description of codes used on the report:

ACCESSIBILITY - indicates the reason why the handler is not accessible for normal RCRA tracking and processing (previously called Bankrupt Indicator):

Code	Description
B	indicates that the handler has filed for bankruptcy and bankruptcy litigation is in process.
C	indicates that all RCRA responsibilities for permitting/closure, corrective action, and compliance monitoring and enforcement at the facility have been formally transferred to the CERCLA program or state equivalent.
F	indicates that all responsible parties (owners/operators) for the handler have fled the country or are otherwise not available for prosecution.
L	indicates that the handler's case is tied up in litigation to the extent that further progress in achieving RCRA compliance through normal enforcement is not possible.

NON-NOTIFIER - indicates that the handler has been identified through a source other than Notification and is suspected of conducting RCRA-regulated activities without proper authority:

Code	Description
E	indicates that the handler was initially a non-notifier, subsequently determined to be exempt from requirements to notify.
O	indicates that the handler is a former non-notifier.
X	indicates that the handler is a non-notifier.

Evaluation Type	Type Description
CEI	COMPLIANCE EVALUATION INSPECTION ON-SITE

* Note: Penalty amount may not reflect all violations cited.